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WATERBERG-STEENKOOLVELD
BOORGATSTATE VAN GATE 41 tot 100
GEBOOR VIR DIE
DEPARTEMENT VAN MYNWESE

Met aantekeninge deur J. F. Cillié, B.A., B.Sc., en
die Brandstofnavorsingsinstituut.

Publikasie van die Afdeling Geologiese Opname

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UNION OF SOUTH AFRICA

DEPARTMENT OF MINES

WATERBERG COALFIELD
RECORDS OF BOREHOLES 41 to 100
DRILLED FOR THE
DEPARTMENT OF MINES

With notes by J. F. Cillié, B.A., B.Sc., and
the Fuel Research Institute.

Publication of the Geological Survey Division

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INHOUD

Bladsy

I. — INLEIDING ... 3
II. — ALGEMENE GEOLOGIE ... 5
III. — MONSTERING EN ANALISES ... 7
IV. — DIE BOORGATSTATE ... 13
Boorgat 41. Jackhalsvley 719 ... 13
Boorgat 42. Van der Waltspan 1383 ... 18
Boorgat 43. Ramusio 1234 ... 19
Boorgat 44. Van Wykspan 1365 ... 26
Boorgat 45. Enkelbult 1361 ... 36
Boorgat 46. Turfvlakte 1358 ... 52
Boorgat 47. Turfvlakte 1358 ... 66
Boorgat 48. Daarby 1369 ... 75
Boorgat 49. Leeuwdrift 1370 ... 75
Boorgat 50. Grootegeluk 1360 ... 86
Boorgate 51 tot 53. Daarby 1369 ... 97
Boorgat 54. Mc Cabes Vley 1371 ... 98
Boorgat 55. Daarby 1369 ... 96
Boorgat 56. Goedehoop 1372 ... 96
Boorgat 57. Grootegeluk 1360 ... 104
Boorgate 58 tot 64. Goedehoop 1372 ... 96
Boorgate 65 en 66. Graaffwater 1382 ... 96
Boorgat 67. Mc Cabes Vley 1371 ... 116
Boorgat 68. Hieromtrent 1359 ... 123
Boorgat 69. Leeuwdrift 1370 ... 131
Boorgat 70. Hieromtrent 1359 ... 139
Boorgat 71. Daarby 1369 ... 147
Boorgat 72. Grootegeluk 1360 ... 157
Boorgat 73. Goedehoop 1372 ... 170
Boorgat 74. Hieromtrent 1359 ... 184
Boorgat 75. Vaalpensloop 722 ... 200
Boorgat 76. Daarby 1369 ... 206
Boorgat 77. Vaalpensloop 722 ... 216
Boorgat 78. Mc Cabes Vley 1371 ... 220
Boorgat 79. Vaalpensloop 722 ... 231
Boorgat 80. Mc Cabes Vley 1371 ... 239
Boorgat 81. Hooikraal 721 ... 248
Boorgat 82. Hooikraal 721 ... 251
Boorgat 83. Zaagput 718 ... 251
Boorgat 84. Mc Cabes Vley 1371 ... 259
Boorgat 85. Hooikraal 721 ... 270
Boorgat 86. Zaagput 718 ... 282
Boorgat 87. Hooikraal 721 ... 294
Boorgat 88. Jackhalsvley 719 ... 299
Boorgat 89. Smitspan 717 ... 305
Boorgat 90. Hooikraal 721 ... 313
Boorgat 91. Smitspan 717 ... 316
Boorgat 92. Kringgatspruit 706 ... 324
Boorgat 93. Massenberg 720 ... 328
Boorgat 94. Minnasvlakte 716 ... 332
Boorgat 95. Hooikraal 721 ... 341
Boorgat 96. Hooikraal 721 ... 349
Boorgat 97. Minnasvlakte 716 ... 350
Boorgat 98. Hieromtrent 1359 ... 359
Boorgat 99. Mc Cabes Vley 1371 ... 364
Boorgat 100. Hieromtrent 1359 ... 373

CONTENTS

Page

I. — INTRODUCTION ... 4
II. — GENERAL GEOLOGY ... 6
III. — SAMPLING AND ANALYSES ... 8
IV. — THE BOREHOLE RECORDS ... 13
Borehole 41. Jackhalsvley 719 ... 13
Borehole 42. Van der Waltspan 1383 ... 18
Borehole 43. Ramusio 1234 ... 19
Borehole 44. Van Wykspan 1365 ... 26
Borehole 45. Enkelbult 1361 ... 36
Borehole 46. Turfvlakte 1358 ... 52
Borehole 47. Turfvlakte 1358 ... 66
Borehole 48. Daarby 1369 ... 75
Borehole 49. Leeuwdrift 1370 ... 75
Borehole 50. Grootegeluk 1360 ... 86
Boreholes 51 to 53. Daarby 1369 ... 97
Borehole 54. Mc Cabes Vley 1371 ... 98
Borehole 55. Daarby 1369 ... 96
Borehole 56. Goedehoop 1372 ... 96
Borehole 57. Grootegeluk 1360 ... 104
Boreholes 58 to 64. Goedehoop 1372 ... 96
Boreholes 65 and 66. Graaffwater 1382 ... 96
Borehole 67. Mc Cabes Vley 1371 ... 116
Borehole 68. Hieromtrent 1359 ... 123
Borehole 69. Leeuwdrift 1370 ... 131
Borehole 70. Hieromtrent 1359 ... 139
Borehole 71. Daarby 1369 ... 147
Borehole 72. Grootegeluk 1360 ... 157
Borehole 73. Goedehoop 1372 ... 170
Borehole 74. Hieromtrent 1359 ... 184
Borehole 75. Vaalpensloop 722 ... 200
Borehole 76. Daarby 1369 ... 206
Borehole 77. Vaalpensloop 722 ... 216
Borehole 78. Mc Cabes Vley 1371 ... 220
Borehole 79. Vaalpensloop 722 ... 231
Borehole 80. Mc Cabes Vley 1371 ... 239
Borehole 81. Hooikraal 721 ... 248
Borehole 82. Hooikraal 721 ... 251
Borehole 83. Zaagput 718 ... 251
Borehole 84. Mc Cabes Vley 1371 ... 259
Borehole 85. Hooikraal 721 ... 270
Borehole 86. Zaagput 718 ... 282
Borehole 87. Hooikraal 721 ... 294
Borehole 88. Jackhalsvley 719 ... 299
Borehole 89. Smitspan 717 ... 305
Borehole 90. Hooikraal 721 ... 313
Borehole 91. Smitspan 717 ... 316
Borehole 92. Kringgatspruit 706 ... 324
Borehole 93. Massenberg 720 ... 328
Borehole 94. Minnasvlakte 716 ... 332
Borehole 95. Hooikraal 721 ... 341
Borehole 96. Hooikraal 721 ... 349
Borehole 97. Minnasvlakte 716 ... 350
Borehole 98. Hieromtrent 1359 ... 359
Borehole 99. Mc Cabes Vley 1371 ... 364
Borehole 100. Hieromtrent 1359 ... 373

DIE WATERBERG-STEENKOOLVELD

I. INLEIDING

Die Waterberg-steenkoolveld is in die noordelike gedeelte van die distrik Waterberg geleë. In teenstelling met die bergagtige aard van die landstreek na die suide, wat deur die Waterberg-sisteem beslaan word, is hierdie laeveld 'n bosbedekte vlakte bykans sonder uitstaande landtekens en omtrent 3,000 voet bo seespieël geleë. Die enigste opvallende landtekens wes van die Mogolrivier is Koornkop op Nelsonskop 1362 en die Bul, die Koei en die Kalf, tussen 8 en 10 myl noord van Koornkop. Hulle is erosierelikte van Holkrans-sandsteen wat van 50 tot 150 voet bo die omliggende vlakte uitsteek. Oos van die Mogolrivier word die opvallendste landtekens gevorm deur die tafelrante op New York 1201 en ver na die suidweste. Hulle bestaan uit die onderste gedeelte van die Middel-Ecca-étage. Verder noord is Beschakop, wat hoofsaaklik uit Holkrans-sandsteen bestaan.

Die Mogolrivier vloei in 'n noordelike rigting deur die sentrale gedeelte van die gebied en is 'n sytak van die Krokodilrivier.

Steenkool is vir die eerste keer in hierdie gebied ontdek toe in 1920 op Grootegeluk 1360 geboor is na water. Daarna is etlike bykomstige gate geboor en die steenkoolkerns daarvan ontleed. Die resultate van die boordery word aangegee deur Trevor en Du Toit in die *South African Journal of Industries*, April 1922*. Tussen 1920 en 1940 is daar nie verder na steenkool geboor nie.

Gedurende die tydperk 1941 tot 1944 is 'n geologiese opname van die gebied gemaak deur H. N. Visser en J. F. Cillié. Hierdie opname is aangevul deur gate wat deur die Departement van Besproeiing geboor is. Aangesien geen blootleggings van die steenkoollae voorkom nie, was die boorgate van groot waarde ten opsigte van:

(a) die aantal steenkoollae aanwesig;

(b) 'n korrelasie van die verskillende steenkoollae in 'n baie groot deel van die gebied wes van die Mogolrivier;

(c) die deurlopendheid van die steenkoollae;

(d) die daarstelling van die grense tussen sommige étages en/of sommige sisteme;

(e) die vasstelling van die posisies van verskuiwings;

(f) die verkryging van steenkoolkerns vir analises.

Tans is twee boormasjiene nog besig om in hierdie gebied te boor.

Die state en analises van die eerste veertig boorgate is reeds gepubliseer in Bulletins 15 en 16 van die Geologiese Opname. Hierdie Bulletin is opgestel met die doel om die resultate van 'n verdere sestig boorgate beskikbaar te maak.

---

* *Sien ook* Geologiese Opname-memorie 19, Deel III.

THE WATERBERG COALFIELD

I. INTRODUCTION

The Waterberg coalfield is situated in the northern part of the Waterberg district. In contrast to the mountainous nature of the country to the south, occupied by the Waterberg system, this low-country is a more or less featureless, bush-covered plain that lies about 3,000 feet above sea-level. The only prominent landmarks to the west of the Mogol River are Koornkop on Nelsonskop 1362 and the Bull, the Cow and the Calf, between 8 and 10 miles to the north of Koornkop. These are erosional relicts of Cave sandstone that rise from 50 to 100 feet above the level of the surrounding plain. To the east of the Mogol River the most marked landmarks are formed by the flat-topped hills on New York 1201 and farther to the south-west. They consist of the lower division of the Middle Ecca. Farther northwards there is also Bescha Kop, consisting of Cave sandstone in the main.

The Mogol River flows through the central part of the area in a northerly direction and is a tributary of the Crocodile River.

Coal was first discovered in boring for water on the farm Grootegeluk 1360 in 1920. A few more boreholes were put down later and the coal-cores were analysed. The results of this drilling are recorded by Trevor and du Toit in the *South African Journal of Industries*, April 1922.* Between 1920 and 1940 no further drilling for coal was undertaken.

During the period 1941 to 1944 a geological survey of the area was made by H. N. Visser and J. F. Cillié. This survey was supplemented by drilling which was undertaken by the Department of Irrigation. As there are no exposures of the coal beds, these boreholes were of great value in respect of:

(a) the number of coal-seams present;

(b) a correlation of the various coal-seams in large portions of the area west of the Mogol River;

(c) the persistence of the coal-seams;

(d) defining the boundaries between some of the stages and/or some of the systems;

(e) determining the positions of faults;

(f) obtaining coal-cores for analysis.

Two drills are at present still engaged on drilling in this area.

The records and analyses of the first forty boreholes have been published in Bulletins 15 and 16 of the Geological Survey. This Bulletin has been compiled in order to make available the results of a further sixty boreholes.

---

* *See also* Geological Survey Memoir 19, Vol. III.

II. Algemene Geologie

In hierdie gelyk gebied is die afwateringsisteem baie swak ontwikkel, en die grootste gedeelte van die veld is met sand bedek. In ander gedeeltes het oppervlaktekalksteen, resente konglomeraat en grintsteen ook 'n aandeel in die bedekking van die onderliggende Karoo-sisteem en ouer formasies. Dagsome is dus uiters skaars, met die gevolg dat juiste geologiese grense meestal nie vasgestel kon word nie.

Oor die algemeen kom die Karoo-sedimente voor in die vorm van 'n wye, vlak sinklinaal. die as waarvan in 'n oos—wes rigting strek. Die posisies van etlike verskuiwings met dieselfde strekkingsrigting is vasgestel. Sommige van hulle het 'n val na die suide en ander weer 'n val na die noorde.

In die suidelike gedeelte van die steenkoolveld is die Karoo-sedimente op die Waterberg-sisteem neergelê, en in die ooste bestaan die vloer uit Bosveld-graniet en basiese gesteentes wat aan die Bosveld-stollingskompleks of die Swasieland-sisteem behoort. Aan die noordekant vorm Ouer-graniet en gesteentes van die Swasieland-sisteem die vloer.

Die volgende opeenvolging van Karoo-gesteentes is vasgestel:

Onderafdelings van Karoo-sisteem	Verteenwoordigende gesteentes	Dikte
		Vt.
Stormberg-lawa ...	Lawa met heelwat seoliete.	400
Holkrans-sandsteen	Fynkorrelrige wit en rooierige sandsteen.	420
Rooi-lae*	Erg fynkorrelrige rooi en sjokoladebruin kleiagtige sandsteen, moddersteen en mergel.	350
Molteno-lae* ...	Grofkorrelrige wit en pers of bruin sandsteen met verspreide spoelklippers; pers tot bruin en vaal moddersteenlae.	20 tot 175
Beaufort-lae* ...	Rooi, sjokoladebruin en veral vaalkleurige moddersteen.	40 tot 310
Bo-Ecca*	'n Opeenvolging van tussengelaagde koolstofhoudende skalielae en steenkoollae.	60 tot 280
Middel-Ecca ...	Sandsteen en grintsteen met tussengelaagde koolstofhoudende skalie en sanderige skalie; enkele steenkoollae word aangetref.	20 tot 270
Onder-Ecca ...	Skalie en sanderige skalie met sandsteen en grintsteen in die onderste gedeelte.	540
Dwyka	Tilliet.	Onseker

Tot dusver is sewe gate tot in die Voor-Karoo-gesteentes geboor, maar in geeneen is Dwyka-tilliet aangetref nie. Op die suidwestelike rand van die gebied kom dit wel voor.

Tot dusver is geen gidsfossiele aangetref nie, en die indeling, wat bloot op litologiese gegewens gegrond is, kan dus nie as finaal geld nie.

---

* Benaming van étage nog onseker.

II. GENERAL GEOLOGY

In this flat country the drainage system is very poorly developed and the major portion of the field is covered with sand. In other portions surface limestone, recent conglomerates and grits also play a part in covering the underlying Karroo and older systems. Outcrops are, therefore, very scanty, so that accurate geological boundaries can mostly not be drawn.

The Karroo sediments, on the whole, occur in the form of a wide, shallow syncline, with axis trending east to west. A few east—west faults have been located. Some of them have a downthrow towards the south and others towards the north.

In the southern part of the coalfield the Karroo sediments were deposited on the Waterberg system, and in the east the floor consists of Bushveld granite and basic rocks belonging to the Bushveld igneous complex or the Swaziland system. To the north the floor is formed by the Older granite and rocks of the Swaziland system.

The following succession of Karroo rocks has been determined:

Subdivisions of Karroo system	Representative rocks	Thickness
		Ft.
Stormberg lava ...	Lava with fairly abundant zeolites.	400
Cave sandstone ...	Fine-grained white and reddish sandstone.	420
Red beds*	Very fine-grained red and chocolate-brown clayey sandstone, mudstones and marl.	350
Molteno beds* ...	Coarse-grained white and purple or brown sandstone containing scattered pebbles; purple to brown and drab-coloured mudstones.	20 to 175
Beaufort beds* ...	Red, chocolate-brown, and particularly drab-coloured mudstones.	40 to 310
Upper Ecca* ...	A succession of intercalated carbonaceous shale bands and coal-seams.	60 to 280
Middle Ecca ...	Sandstone and grit with intercalated carbonaceous shale and sandy shale; a few coal-seams are encountered.	20 to 270
Lower Ecca ...	Shale and sandy shales with sandstone and grit in the lower portions.	540
Dwyka	Tillite.	Uncertain

Up to the present seven holes have penetrated into Pre-Karroo rocks, but no Dwyka tillite has been found in any of them. It does occur on the south-western edge of the coalfield.

No index fossils have thus far been found, and the classification, which is based purely on lithological grounds, is therefore not conclusive.

---

* Name of stage uncertain as yet.

III. MONSTERING EN ONTLEDING

Die opname van die Waterberg-steenkoolveld word in hoofsaak gedoen met die oog op die vasstelling van die waarde daarvan as 'n toekomstige bron van kookskool, en, met hierdie doel voor oë, was die Brandstofnavorsingsinstituut van Suid-Afrika en die Geologiese Opname verantwoordelik vir die beskrywings van steenkooltipes en eersgenoemde vir die monstering en ontleding van die steenkoollae wat deurgeboor is in die boorgate wat in hierdie verslag vermeld word.

Die kerns is deurgaans by die boorplek ondersoek, en monsters van die steenkool is ter plaatse geneem in die aanwesigheid van die boorman en in medewerking met 'n beampte van die Afdeling Geologiese Opname. Na sorgvuldige meting en raming van die kern wat verkry is, is die afsonderlike laagkerns oorlangs gesplyt vir gesigsondersoek en vervolgens in onderdele verdeel vir ontleding volgens die tipe steenkool of volgens toekomstige afboudikte. In die algemeen is onsuiwer aardagtige lae van 3 duim en meer in dikte van die monsters uitgesluit in die veronderstelling dat verwydering daarvan in iedere geval na ontginning op die sorteerbande sou plaasvind. Die uitdrukking „nie gemonster nie" (N.G.) het op dergelike uitsluitings betrekking asook op stukke steenkoolkern wat geen analitiese ondersoek regverdig nie.

Alle monsters is in sakke geplaas, van etikette voorsien en na die Instituut se laboratorium in Pretoria afgestuur vir die bereiding van ontledingsmonsters. Hierdie prosedure en die ontledingsmetodes wat toegepas is, strook met die verskillende standaardspesifikasies wat deur die Suid-Afrikaanse en Britse Institute vir Standaarde voorgeskryf word.*

Voorlopige wastoetse is uitgevoer op monsters wat fyn genoeg vergruis is om deur maas van 'n grootte van 1 duim vierkant te gaan ten einde 'n indruk by benadering te kry van hoe maklik die steenkool skoongemaak sal kan word en van die relatiewe hoeveelhede onsuiwerhede wat aanwesig is. Die soortlike gewig waarby afskeidings gedoen is, hang af van die tipe steenkool wat ondersoek word: dowwe steenkool van die soorte wat vir stoomverwekking geskik is, is bv. by soortlike gewig van 1.58 afgeskei, en glanskool wat moontlik verkooksingseienskappe besit by 1.45.

Die produkte uit onekonomiese afskeidings is weer gemeng voordat hulle vir ontleding vergruis is, maar in gevalle waar die opbrings aan dryfstof tussen, sê, 65 en 90 persent van die oorspronklike materiaal van stoomsteenkool of van 20 persent en meer vir glanssteenkool met besliste verkooksingsmoontlikhede gewissel het, is die produkte afsonderlik ontleed.

Voordat hulle ontleed is, is monsters sodanig vergruis en die grootte van die stukke verminder om deur 'n sif van 16 maas B.S. te kan gaan. Na lugdroging totdat ewewigtige vogtigheidstoestande bereik is, is verteenwoordigende gedeeltes van die monsters wat met die sif van 16 maas verkry is, fyn verpoeier sodat dit deur 'n sif van 60 maas B.S. kan gaan; dit is nl. die grootte wat voorgeskryf word vir die uitvoering van die ontledingsprosedure wat verder volg.

Die ontleding wat op die luggedroogde monsters uitgevoer is, het gewoonlik uit 'n kortanalise bestaan asmede 'n bepaling van verhittingswaarde en 'n oordeel van die swelvermoë by verkoling deur die Kroessweltoets. In die volgende aantekenings word die prosedure by elkeen van hierdie toetse kort saamgevat:

---

* (a) Suid-Afrikaanse Standaardspesifikasie S.A. No. 13 van 1937, „Standard Methods for the Sampling of Coal in South Africa."
(b) Britse Standaardspesifikasie B.S.S. No. 1016 van 1942, „British Standard Methods for the Analysis and Testing of Coal and Coke."

III. SAMPLING AND ANALYSIS

The Waterberg coalfield is being surveyed mainly from the point of view of establishing its value as a future source of coking coal, and with this object the Fuel Research Institute of South Africa and the Geological Survey have been responsible for the descriptions of coal-types and the former for the sampling and analysis of the coal-seams intersected in the boreholes referred to in this report.

The cores were invariably examined and the coal sampled at the drilling site in the presence of the driller in co-operation with an officer of the Geological Survey Division. After careful measurement and estimation of core recovery the individual seam-cores were split longitudinally for inspection and subsequently divided into subsections for analysis according to type of coal or to possible future mining width. In general, whenever dirt bands of 3 inches or more in thickness occurred, these were rejected from the samples on the assumption that exclusion would in any event take place on the picking-belts after mining. The term N.S. (not sampled) refers to such exclusions and also to lengths of coal-core too inferior in quality to merit analytical examination.

All samples were bagged, labelled, and transported to the Institute's laboratories in Pretoria for the preparation of analysis samples. This procedure and the methods of analysis adopted are in conformity with the various standard specifications laid down by the South African and British Standards Institutions.*

Preliminary washing-tests were carried out on samples crushed to pass a 1-inch square mesh screen in order to give a rough assessment of the ease with which the coal could be cleaned and of the relative amounts of impurities present. The density of separation varied with the type of coal examined, dull coals of the steam-raising variety being separated at 1.58 specific gravity and bright coals with possible coking propensities at 1.45.

The products from uneconomic separations were recombined prior to crushing for analysis, but where the yield of float material varied between, say, 65 and 90 per cent. of the original for steam-coal or from 20 per cent. upwards for a bright coal with definite coking possibilities the products were separately analysed.

Prior to analysis samples were crushed and reduced in particle size to pass a 16 mesh B.S. sieve. After air-drying until equilibrium moisture conditions had been attained representative portions of the 16 mesh samples were finely pulverised to pass a 60 mesh B.S. sieve, viz. the size specified for carrying out the subsequent analytical procedure.

The analytical work carried out on the air-dried samples generally comprised a proximate analysis and included a determination of calorific value and an assessment of swelling power on carbonisation by the Crucible Swelling Test. The following notes broadly outline the procedure in each of these tests:

---

* (a) South African Standard Specification S.A. No. 13 of 1937, "Standard Methods for the Sampling of Coal in South Africa."

(b) British Standard Specification B.S.S. No. 1016 of 1942, "British Standard Methods for the Analysis and Testing of Coal and Coke."

Kortanalise

Voggehalte—verteenwoordig die verlies aan gewig (uitgedruk as 'n persentasie, bepaal by die verhitting van 1 gm. luggedroogde steenkool by 'n temperatuur van 105°-110° vir een uur).

In seldsame gevalle, wanneer die voggehalte 4 persent te bowe gaan (wat nl. 'n steenkool van laer graad aandui), word 'n onaktiewe gas, bv. suurstofvrye stikstof, aanhoudend deur die oond gesirkuleer terwyl die bepaling uitgevoer word ten einde oksidasie van die steenkool te verhoed.

Asgehalte—verteenwoordig die residu na volledige verbranding van 1 gm. steenkool in 'n moffeloond wat op 'n temperatuur van 775° C. ± 25° C. gehou word. Die steenkool word in 'n silikabakkie gehou, en lug word voortdurend deur die oond gesirkuleer. Die resultaat word weereens as 'n persentasie uitgedruk.

Gehalte aan vlugtige bestanddele—verteenwoordig die verlies aan gewig wat ontstaan deur 1 gm. steenkool in 'n bedekte silikakroesie van standaardafmetings by 925° C. ± 15° C. vir 7 minute te verhit en word bereken deur die gewig van die vog in die steenkool aanwesig af te trek en die resultaat as 'n persentasie uit te druk.

Gehalte aan kookskoolstof—'n syfer wat verkry word deur die som van die gehaltes aan vog, as en vlugtige bestanddele, almal as persentasies uitgedruk, van 100 af te trek.

Verhittingswaarde—Hierdie waarde, uitgedruk in verdampingseenhede (lb./lb.), word bereken uit die mate van hitte wat ontwikkel by die verbranding van 1 gm. steenkool onder 30 atmosfere druk in 'n Berthelot- of Scholestipe bomkalorimeter.

Die bepaling word uitgevoer volgens Suid-Afrikaanse Standaardspesifikasie S.A. No. 5 van 1940, „The Determination of the Comparative Calorific Values of Coals in South Africa." Een verdampingseenheid of lb./lb. staan gelyk aan 970 Britse Termale Eenhede per lb. of 539 kalorieë per gm.

Kroessweltoets—Die swelsyfer verteenwoordig die verhouding van die aanvanklike tot die uiteindelike volume van 1 gm. steenkool na sterk verhitting onder normale toestande. Die profiel van die kooksknopie wat verkry word, is 'n maatstaf van die sweleienskappe van die steenkool by verkoling.

'n Syfer 1*Ag* beteken 'n residu wat beslis 'n kooksstruktuur toon maar geen swelvermoë nie. *F* dui 'n residu aan wat geredelik krummelrig is en geen kooksstruktuur toon nie. *P* dui 'n residu in poeiervorm aan. 'n Syfer van 3 of meer dui bepaalde verkooksingseienskappe aan

Die deel van die opmetingswerk in die Waterberg-steenkoolveld wat waarskynlik die belangrikste is, is dié wat betrekking het op die bepaling van die omvang, waarde en ligging van kookssteenkool in daardie veld, en waar indiwiduele steenkoollae ondersoek word, word noukeurige aandag hieraan bestee.

Wat boorgatmonsters betref, is dit slegs moontlik om betroubare aanduidings van die aanwesigheid van kookskoolhorisonte te verkry en niks meer nie, maar afdoende bewys is gelewer dat die steenkool van geringer digtheid, waaronder die glansende gedeeltes van die verskillende lae van hierdie omgewing, wel deeglik goed ontwikkelde verkooksingseienskappe besit. Die gelaagdheid van die glanskool asmede die hoë asgehalte van die steenkool wat daarmee gepaard gaan en wat in baie gevalle skalieagtig is, skakel

Proximate Analysis

Moisture content—represents the loss of weight (expressed as a percentage determined after heating 1 gm. of air-dry coal at 105°-110° for 1 hour).

In rare cases, where the moisture content exceeds 4 per cent., indicating a coal of lower rank, an inert gas, e.g. oxygen free nitrogen, is continuously circulated through the oven during the determination to prevent oxidation of the coal.

Ash content—represents the residue after complete combustion of 1 gm. of coal in a muffle-furnace maintained at 775° C. ± 25° C. The coal is contained in a silica dish, and air is continuously circulated through the muffle. The result is again expressed as a percentage.

Volatile matter content—represents the loss of weight obtained by heating 1 gm. of coal contained in a covered silica crucible of standard dimensions at 925° C. ± 15° C. for 7 minutes and is calculated by subtracting the weight of moisture present in the coal and expressing the result as a percentage.

Fixed carbon content—a figure obtained by subtracting the sum of moisture, ash, and volatile matter contents, all expressed as percentages, from 100.

Calorific value—This value, reported in Evaporative Units (lb./lb.), is calculated from the amount of heat generated by combusting 1 gm. of coal in oxygen at 30 atmospheres pressure in a Berthelot or Scholes type of combustion bomb.

The determination is carried out according to South African Standard Specification S.A. No. 5 of 1940, "The Determination of the Comparative Calorific Values of Coals in South Africa." One Evaporative Unit or lb./lb. is equivalent to 970 British Thermal Units per lb. or 539 calories per gm.

Crucible swelling test—The swelling-number or swelling-index represents the ratio of the initial to the final volume of 1 gm. of coal after heating strongly under standard conditions. The profile of the coke-button obtained is a measure of the swelling propensities of the coal on carbonisation.

An index of 1*Ag* denotes a residue of definite coke structure but no swelling. *F* denotes a residue easily friable and possessed of no coke structure. *P* denotes a residue in powder form. An index of 3 or more indicates definite coking possibilities.

Probably the most important part of the survey work in the Waterberg area is concerned with the proving of resources of coking coal, and in the examination of individual seams this aspect is given close attention. With borehole samples it is not possible to do more than obtain reliable indications of the presence of horizons of coking coal, but it has been proved conclusively that the coals of lower density, comprising the bright portions of the various seams from this locality, do possess well-developed coking propensities. The laminated structure of the bright coals, however, and the high ash contents of the associated and often shaly coals invariably preclude the possibility of easy separation of coking coal with a reasonably low ash content without recourse to fine crushing.

Float and sink tests on finely crushed coal for the purpose of isolating coking-fractions constitute, therefore, a part of the routine procedure applied to the Waterberg samples. For such tests representative portions of the

egter bykans deurgaans die moontlikheid uit dat kookskool met 'n redelik lae asgehalte maklik afgeskei sal kan word sonder om die steenkool fyn te vergruis.

Dryfstof- en sinkstoftoetse op fynvergruisde steenkool waarvan die verkooksingsfraksies afgeskei moet word, maak dus deel van die roetineprosedure uit wat ten opsigte van die steenkoolmonsters uit Waterberg gevolg word. Vir sulke toetse word verteenwoordigende gedeeltes van die reeds vermelde monsters van minus 16 maas gebruik. Hulle word deur middel van 'n sentrifugaalmetode geskei* in fraksies van verskillende soortlike gewig deur bensol- en koolstoftetrachloriedmengsels van afwisselende digtheid te gebruik.

By 'n soortlike gewig van 1.45 bevat die dryfstof die merendeel van die swelbestanddele indien so iets in die monster aanwesig is, en sy asgehalte sal 'n aanduiding wees van die minimum aan as wat by hierdie soortlike gewig deur 'n kommersiële wasproses verkry sal word.

Die persentasie dryfstof wat verkry sal word deur die steenkool by 'n soortlike gewig van 1.58 te was, sal 'n taamlik noukeurige benadering gee van die hoeveelheid ware steenkoolmateriaal wat aanwesig is asook 'n benaderde syfer vir die resultaat wat van 'n kommersiële wasproses verwag kan word.

In die tabelle van ontledingsyfers word 'n oorspronklik ongewaste monster deur 'n letter van die alfabet aangedui, en dieselfde letter met 'n bysyfer word vir gewaste fraksies van die monster gebruik.

As *A* dus die oorspronklike monster voorstel, dan dui A_1 die dryfstof en A_2 die sinkstof aan wanneer afskeiding slegs by één soortlike gewig uitgevoer word. Word 'n wasproses in twee stadiums aangewend, bv. by 'n soortlike gewig van 1.45 en dan weer van 1.58, word die volgende aanduidings gebruik:

A	Oorspronklike ongewaste monster.
A_1	Dryfstof by soortlike gewig 1.45.
A_2	Dryfstof tussen soortlike gewig 1.45 en 1.58.
A_3	Sinkstof by soortlike gewig 1.58.

'n Samegestelde monster A_1 B_1 sou die gekombineerde „dryfstowwe" uit twee oorspronklike monsters A en B aandui, en A_2 B_2 'n samegestelde monster van die „sinkstowwe" indien die monsters by één soortlike gewig gewas is.

Die metode om monsters volgens afskeiding van dryfstof en sinkstof te toets, word voortdurend hersien na gelang meer ondervinding met betrekking tot die verhoudings van wasbaarheid tot grootte van Waterbergse steenkool opgedoen word.

Voordat boorgat 54 geboor is, is dryfstof en sinkstofgegewens alleen met betrekking tot onbehandelde steenkool verkry wat vergruis is om deur 'n sif van 16 maas B.S.-grootte te gaan, maar later afskeidings van fynkool is bloot vergelykend met die dryfstof- en sinkstoftoetse op eenduimsteenkool verkry op òf die afsonderlike dryfstof en sinkstoffraksies òf die hersaamgestelde oorspronklike monster. In laasgenoemde geval is die opbringste wat ten opsigte van die fynsteenkool aangegee word persentasies van die monster wat in die eerste kolom van die ontledingstabel vermeld word.

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* J. chem. Soc. S. Afr., XXXIV, 1934, pp. 263, (No. 8). „The Specific Gravity Investigation of Coal Samples: Further Studies and a New Technique," by P. E. Hall.

—16 mesh samples already referred to are utilised and are separated by a centrifuge method* into different specific gravity fractions using benzol and carbon tetrachloride mixtures of varying density.

At 1.45 specific gravity the float material contains the majority of the swelling constituents when these are present in the sample, and its ash content will be an indication of the minimum ash likely to be attained commercially by washing at this specific gravity.

The percentage of float material obtained by washing at 1.58 specific gravity will give a fairly close approximation to the amount of true coal substance present and a rough figure for the yield to be expected from commercial washing.

In the tables of analytical figures an original unwashed sample is designated by a letter of the alphabet; for washed fractions from the sample the same letter is employed with a suffix.

Thus if *A* represents the original sample, then A_1 would indicate the float material and A_2 the sinks where washing is carried out at one specific gravity only. Should double-stage washing be resorted to, say at 1.45 specific gravity and 1.58 specific gravity, the following designations would apply:

A	Original unwashed sample.
A_1	Float material at 1.45 specific gravity.
A_2	Float material between 1.45 and 1.58 specific gravity.
A_3	Sink material at 1.58 specific gravity.

A composite sample A_1B_1 would represent the combined "floats" from two original samples *A* and *B* and A_2B_2 a composite sample of the "sinks" if the samples were washed at one specific gravity.

The method of testing samples by float and sink separation is under continual revision, as more experience is gained with regard to the washability size relationships of Waterberg coals.

Prior to the drilling of borehole 54 float and sink data were obtained solely for whole-coal samples pulverised to pass a 16 B.S. mesh sieve, but later fine-coal separations were only done as a corollary to the float and sink tests on —1-inch coal either on the individual float and sink fractions or on the reconstituted original sample. In the latter case the yields reported for the fine-coal are percentages of the sample indicated in the first column of the analysis table.

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* J. chem. Soc. S. Afr., XXXIV, 1934, pp. 263, (No. 8). "The Specific Gravity Investigation of Coal Samples: Further Studies and a New Technique," by P. E. Hall.

IV. DIE BOORGATSTATE — THE BOREHOLE RECORDS

BOORGAT 41 : JACKHALSVLEY 719 : BOREHOLE 41

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sand	3	6	—		Sand.
Gruis	1	6	5	0	Gravel.
Moddersteen? (stampboor)	118	4	123	4	Mudstone? (jumper drill).
Skalie, koolstofhoudend, met steenkoollagies.	25	3	—		Shale, carbonaceous, with coal bands.
Matkool, baie skalieagtig	2	2	150	9	**Coal,** dull, and very shaly.
Glanskool, piriet- en kalsiethoudend.		5	—		**Coal,** bright, pyritic and calcitic.
Skalie, met glyvlakke	1	0	—		Shale, with slickensides.
Steenkool; hoofsaaklik matkool; skalieagtig met 'n pirietknol by bo-ent.	2	8	—		**Coal;** mainly dull coal; shaly, with a pyrite nodule at top.
Skalie, koolstofhoudend		4	—		Shale, carbonaceous.
Steenkool, baie skalieagtig	3	3	—		**Coal,** very shaly.
Steenkoollae, skalieagtig, erg piriethoudende glanskoollae, en koolstofhoudende skalielae om die beurt.	5	8	—		**Coal** bands, shaly, very pyritic, bright coal bands, and carbonaceous shale bands alternating.
Matkool, swaar	1	10	—		**Coal,** dull, heavy.
Matkool, baie skalieagtig		9	—		**Coal,** dull, very shaly.
Matkool, swaar, kalsiet- en piriethoudend.	1	1	—		**Coal,** dull, heavy, calcitic and pyritic.
Steenkool, skalieagtig		5	—		**Coal,** shaly.
Steenkool, gemeng, plek-plek swaar en piriethoudend in middel, met drie 1-dm. pirietknolle in middel, naby en by onderent.	3	0	—		**Coal,** mixed, heavy in places and pyritic in middle, with three 1-in. pyrites nodules in middle, near and at bottom.
Skalie, vaal		2	—		Shale, grey.
Glanskool, piriethoudend		1	171	7	**Coal,** bright, pyritic.
Skalie, koolstofhoudend, met steenkoollagies.	1	4	—		Shale, carbonaceous, with coal bands.
Steenkool, skalieagtig	3	3	—		**Coal,** shaly.
Skalie, koolstofhoudend	3	0	—		Shale, carbonaceous.
Skalie, steenkoolagtig	1	5	—		Shale, coaly.
Skalie, koolstofhoudend	1	6	—		Shale, carbonaceous.
Skalie, steenkoolagtig	1	0	—		Shale, coaly.
Skalie, koolstofhoudend	1	4	—		Shale, carbonaceous.
Skalie, steenkoolagtig, met min glanskool.	1	7	—		Shale, coaly, with a little bright coal.
Steenkool, skalieagtig	2	7	—		**Coal,** shaly.
Skalie, vaalswart	1	1	—		Shale, greyish black.
Skalie, swart	1	0	—		Shale, black.
Skalie, ligbruin	3	7	—		Shale, light brown.
Skalie, koolstofhoudend, met 'n paar steenkoollagies, en erg piriethoudend.	7	2	201	5	Shale, carbonaceous, with a few coal bands, and very pyritic.
Skalie, steenkoolagtig, piriethoudend, met glyvlakke by bo-ent.	4	7	—		Shale, coaly, pyritic, with slickensides at top.
Skalie, swart	3	10	—		Shale, black.
Skalie, vaal	1	0	—		Shale, grey.
Skalie, swart	8	6	—		Shale, black.
Skalie, steenkoolagtig	3	7	222	11	Shale, coaly.
Sandsteen, baie fynkorrelrig; plek-plek effens skalieagtig, mikadraend en gelaag.	9	4	—		Sandstone, very fine-grained; slightly shaly, micaceous, and laminated in places.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sandsteen, fynkorrelrig, vaal tot vaalwit, mikadraend, effens veldspaties.	6	3	—		Sandstone, fine-grained, grey to greyish white, micaceous, slightly feldspathic.
Sandsteen, middelkorrelrig, wit, veldspaties.	15	0	—		Sandstone, medium-grained, white, feldspathic.
Steenkool, gemeng, gestreep. ...	3	3	256	9	**Coal**, mixed, banded.
Sandsteen, fynkorrelrig, vaal, mikadraend en fyngelaag.	8	9	265	6	Sandstone, micaceous and finely banded.
Steenkool, gemeng (kern gebreek).	1	0	—		**Coal**, mixed (core broken).
Sandsteen, skalieagtig		7	—		Sandstone, shaly.
Steenkool, skalieagtig		10	—		**Coal**, shaly.
Steenkool; hoofsaaklik matkool, met 1 dm. koolstofhoudende sandsteen naby onderent.	1	7	—		**Coal**; mainly dull coal, with 1 in. carbonaceous sandstone near bottom.
Skalie, koolstofhoudend, en fynkorrelrige sandsteen.	1	4	—		Shale, carbonaceous, and fine-grained, banded sandstone.
Steenkool, gemeng; hoofsaaklik matkool, met 'n dun sandsteenlagie in middel en 'n groot pirietknol by onderent.	2	0	—		**Coal**, mixed; mainly dull coal, with a thin sandstone band in middle and a big nodule of pyrites at bottom.
Glanskoollae en matkoollae om die beurt; 1 dm. piriet 10 dm. van bo af.	2	10	—		**Coal**; bright and dull bands, alternating; 1 in. pyrites 10 in. from top.
Piriet		2	—		Pyrites.
Glanskool en matkool		7	—		**Coal**, bright and dull.
Steenkool, vuil		4	—		**Coal**, dirty.
Steenkool, gemeng, plek-plek swaar (4 dm. kern te veel tussen 265 vt. 6 dm. en 278 vt. 1 dm.).	1	8	278	1	**Coal**, mixed, heavy in places (4 in. too much core between 265 ft. 6 in. and 278 ft. 1 in.).
Sandsteen, vaal en vaalwit om die beurt; fynkorrelrig, fyngestreep, mikadraend, plek-plek skalieagtig.	34	3	—		Sandstone, grey and greyish white, alternating; fine-grained, finely banded, micaceous, shaly in places.
Matkool, met enkele glanskoollae en 1 dm. piriet 4 dm. van bo af en 2 dm. vuil steenkool 7 dm. van onder af.	4	0	316	4	**Coal**, dull, with a few bright coal bands and 1 in. pyrites 4 in. from top and 2 in. dirty coal 7 in. from bottom.
Skalie, swart, sanderig		4	—		Shale, black, sandy.
Sandsteen, vaal tot vaalwit, fynkorrelrig, gelaag, plek-plek skalieagtig.	3	5	—		Sandstone, grey to greyish white, fine-grained, banded, shaly in places.
Matkool		1	—		**Coal**, dull.
Sandsteen, skalieagtig		2	—		Sandstone, shaly.
Sandsteen, vaal tot vaalwit, plek-plek gelaag en skalieagtig.	6	0	326	4	Sandstone, grey to greyish white, banded and shaly in places.
Sandsteen, wit, grofkorrelrig tot grintagtig, veldspaties ...	12	0	—		Sandstone, white, coarse-grained to gritty, feldspathic.
Sandsteen, vaal tot vaalwit, fyngelaag op golfvormige wyse, plek-plek mikadraend; 2 vt. 0 dm. grofkorrelrige, veldspatiese vaalwit sandsteen 4 vt. van bo af.	17	10	—		Sandstone, grey to greyish white, finely banded in wavy layer fashion, micaceous in places; 2 ft. 0 in. coarse-grained, feldspathic greyish white sandstone 4 ft. from top.
Sandsteen, vaal en swart, fynkorrelrig, met enkele groterige kwartskorrels.	12	0	368	2	Sandstone, grey and black, fine-grained, with an occasional fairly big quartz grain.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Skalie, swart, plek-plek effens vaal, met baie glyvlakke; hellings van ongeveer 35° kom voor vanaf 460 vt. en laer af. Plek-plek, veral na onder, bevat die skalielaag vaal mikadraende sandsteenlae. Kwartskorrels is versprei deur die hele skalielaag.	132 10	501 0	Shale, black, slightly grey in places, with many slickensides; dips of approx. 35° appear from 460 ft. and lower down. Shale beds contain grey micaceous sandstone bands in places, especially towards bottom. Quartz grains are scattered throughout whole shale bed.

BOORGAT 41 : JACKHALSVLEY 719 : BOREHOLE 41

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
O 119	N.G.	26	150 9	N.S.
E	**Glanskool,** piriet- en kalsiethoudend.	5	—	**Coal,** bright, pyritic and calcitic.
	N.G.	12	—	N.S.
D	**Steenkool;** hoofsaaklik matkool; skalieagtig; 'n pirietknol by boent is uitgesluit.	32	—	**Coal;** mainly dull; shaly; a pyrites nodule at top is excluded.
	N.G.	4	—	N.S.
	N.G.	39	—	N.S.
	N.G.	68	—	N.S.
C	**Matkool,** swaar	22	—	**Coal,** dull, heavy.
	N.G.	9	—	N.S.
B	**Matkool,** swaar, kalsiet- en piriethoudend.	13	—	**Coal,** dull, heavy, calcitic and pyritic.
	N.G.	5	—	N.S.
A	**Steenkool,** gemeng, plek-plek swaar, en piriethoudend in middel; drie 1-dm. pirietknolle in middel, naby en by onderent uitgesluit.	36	—	**Coal,** mixed, heavy in places, and pyritic in middle; three 1-in. pyrites nodules in middle, near and at bottom excluded.
	N.G.	2	—	N.S.
	Glanskool, piriethoudend.	1	171 7	**Coal,** bright, pyritic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
O 120	N.G.	—	253 6	N.S.
D	**Steenkool,** gemeng, gestreep.	39	256 9	**Coal,** mixed, banded.
	N.G.	105	265 6	N.S.
C	**Steenkool,** gemeng (kern gebreek).	12	—	**Coal,** mixed (core broken).
	N.G.	7	—	N.S.
	N.G.	10	—	N.S.
B	**Steenkool;** hoofsaaklik matkool, met 1 dm. koolstofhoudende sandsteen naby onderent uitgesluit.	19	—	**Coal;** mainly dull coal, with 1 in. carbonaceous sandstone near bottom excluded.
	N.G.	16	—	N.S.
A	**Steenkool,** gemeng; hoofsaaklik matkool, met 'n dun sandsteenlagie in middel en 'n groot pirietknol by onderent uitgesluit.	24	272 6(?)	**Coal,** mixed; mainly dull coal, with a thin sandstone band in middle and a big pyrites nodule at bottom excluded.
O 120 A		24	272 6(?)	
O 158				
C	**Glanskool** en matkoollae om die beurt, met 1 dm. piriet 10 dm. van bo af uitgesluit.	34	—	**Coal,** bright, and dull bands, alternating, with 1 in. pyrites 10 in. from top excluded.
	N.G.	2	—	N.S.
	Glanskool en matkool.	7	—	**Coal,** bright and dull.
	N.G.	4	—	N.S.
B	**Steenkool,** gemeng, plek-plek swaar. (N.B. 4 dm. te veel kern tussen 265 vt. 6 dm. en 278 vt. 1 dm. Dit mag toe te skrywe wees aan die feit dat kiste gebreek was).	20	278 1	**Coal,** mixed, heavy in places. (N.B. 4 in. too much core between 265 ft. 6 in. and 278 ft. 1 in. It may be due to the fact that boxes were damaged).
	N.G.	408	—	N.S.
A	**Matkool,** met enkele glanskoollae; 1 dm. piriet 4 dm. van bo af en 2 dm. vuil steenkool 7 dm. van onder af uitgesluit.	48	316 4	**Coal,** dull, with a few bright coal bands; 1 in. pyrites 4 in. from top and 2 in. dirty coal 7 in. from bottom excluded.

BOORGAT 41 : JACKHALSVLEY 719 : BOREHOLE 41

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·6 Float, 1·6		Sw.-syfer Swelling number Dryfsel Float	
		Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Opbrengs Yield %	As Ash %	Opbrengs Yield %	As Ash %	1·45	1·6
O 119 E	5	—	—	—	10·9	2·6	22·5	31·1	43·8		56·0	7·7	68·9	10·3	3	2
D	32	—	—	—	—	2·5	41·5	18·6	37·4		—	—	—	—	—	—
C	22	—	—	—	—	2·4	25·8	21·0	50·8		5·7	8·5	52·4	15·4	—	1
B	13	—	—	—	—	2·4	33·1	18·0	46·5		5·0	—	33·4	16·3	1F	—
A	34	—	—	—	—	2·1	28·6	28·5	40·8		33·3	7·5	53·0	11·1	1½	1
O 120 D	39	—	—	—	12·5	2·7	12·2	26·1	59·0		70·7	5·8	89·6	8·6	1	1F
C	12	—	—	—	10·3	2·5	24·6	20·2	52·7		32·4	6·4	65·4	12·1	1	1F
B	18	—	—	—	11·5	2·6	19·4	20·9	27·1		27·9	7·8	79·4	14·6	1	1F
A	24	—	—	—	11·8	2·8	15·9	22·9	58·4		54·4	7·2	84·9	11·3	1F	—
O 158 C	40	—	—	—	11·4	1·5	19·0	26·9	52·6		50·0	7·0	76·1	10·8	2½	1
B	20	—	—	—	11·7	1·5	17·1	25·1	56·3		53·6	6·4	81·3	10·3	1½	1
A	45	—	—	—	11·8	1·7	16·3	23·1	58·9		41·3	6·3	81·2	11·1	1	1F

BOORGAT 42 : VAN DER WALTSPAN 1383 : BOREHOLE 42

Kern 2⅛ dm. Core 2⅛ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sand	2	0	2	0	Sand.
Oppervlaktekalksteen	30	0	32	0	Limestone, surface.
Sandsteen, fynkorrelrig, wit. (Holkrans-sandsteen).	365	0	397	0	Sandstone, fine-grained, white. (Cave sandstone).
Sandsteen, wit, erg kalkhoudend, fynkorrelrig. (Rooilae).	6	6	—		Sandstone, white, very calcitic, fine-grained. (Red beds).
Sandsteen, fynkorrelrig, liggroen.	4	0	—		Sandstone, fine-grained, light green.
Sandsteen, fynkorrelrig, ligpers.	3	0	—		Sandstone, fine-grained, light purple.
Sandsteen, fynkorrelrig, bruin, met wit kolle hier en daar.	73	6	484	0	Sandstone, fine-grained, brown, with white patches in places.

BOORGAT 43 : RAMUSIO 1234 : BOREHOLE 43

Kern 2⅛ dm. Core 2⅛ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sand	12	0	12	0	Sand.
Sandsteen, fynkorrelrig, boonste ⅓ deel wit, onderste ⅔ deel effens witpienk plek-plek met 'n definitiewe aanduiding van gelaagdheid. (Holkrans-sandsteen).	203	0	215	0	Sandstone, fine-grained, upper ⅓ portion white, bottom ⅔ portion slightly whitish pink with a definite indication of banding in places. (Cave sandstone).
Sandsteen, fynkorrelrig, sjokoladebruin en vaalwit; hoofsaaklik sjokoladebruin; plek-plek persagtige deeltjies van 6 dm. tot 12 dm. (Rooi-lae).	347	0	562	0	Sandstone, fine-grained, chocolate brown and greyish white; mainly chocolate brown; purplish portions of 6 in. to 12 in. in places. (Red beds).
Moddersteen, vaal. (Molteno-lae).	6	9	—		Mudstone, grey. (Molteno beds).
Sandsteen, fynkorrelrig		1	—		Sandstone, fine-grained.
Moddersteen, vaal	1	3	—		Mudstone, grey.
Sandsteen, middelkorrelrig, groenerige skynsel.	1	2	—		Sandstone, medium-grained, greenish tint.
Moddersteen met sandsteenknolle.	1	0	—		Mudstone with sandstone nodules.
Sandsteen met bindmateriaal van klei.		2	—		Sandstone with a clay matrix.
Moddersteen, sanderig, vaal ...		3	—		Mudstone, sandy, grey.
Sandsteen met kleideeltjies ...	1	0	—		Sandstone with clay portions.
Moddersteen met sanderige deeltjies.	3	8	—		Mudstone with sandy portions.
Sandsteen, grofkorrelrig tot grintagtig, bros, met kleibindmateriaal.		9	—		Sandstone, coarse-grained to gritty, brittle, with clay matrix.
Sandsteen, kleiagtig	1	3	—		Sandstone, clayey.
Sandsteen, kleiagtig, met groot kwartskorrels van ½ dm. deursnee.	6	3	585	7	Sandstone, clayey, with big quartz grains of ½ in. diameter.
Moddersteen, sjokoladebruin en vaal.	12	3	—		Mudstone, chocolate brown and grey.
Moddersteen, sjokoladebruin tot pers, met fyn- tot grofkorrelrige sandsteendeeltjies bevattende kleibindmateriaal.	3	8	—		Mudstone, chocolate brown to purple, with fine- to coarse-grained sandstone portions containing a clay matrix.
Moddersteen, bruinpers en sjokoladebruin. (Beaufort-lae).	122	0	723	6	Mudstone, brownish purple and chocolate brown. (Beaufort beds).
Moddersteen, vaal	53	8	—		Mudstone, grey.
Skalie, bruinerig, kleiagtig, kalsiethoudend.	1	5	778	7	Shale, brownish, clayey, calcitic.
Skalie, koolstofhoudend, en steenkoolagtige skalie. (Bo-Ecca).	1	2	779	9	Shale, carbonaceous, and coaly shale. (Upper Ecca).
Steenkool; hoofsaaklik glanskool, kalsiet- en erg piriethoudend, met 'n korrelrige rige voorkoms.	1	9	—		**Coal;** mainly bright coal, calcitic and very pyritic, with a granular appearance.
Skalie, koolstofhoudend, met enkele glanskoolstrepies.		7	—		Shale, carbonaceous, with occasional bright coal stringers.
Steenkool; hoofsaaklik glanskool, kalsiet- en erg piriethoudend, met 'n korrelrige voorkoms.	1	1	—		**Coal;** mainly bright coal, calcitic and very pyritic, with a granular appearance.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, koolstofhoudend, met enkele glanskoolstrepies en 'n steenkoolagtige laag naby boent.		7	—		Shale, carbonaceous and with occasional bright coal stringers and a coaly band near top.
Steenkool; hoofsaaklik glanskool; piriethoudend.	1	0	—		**Coal;** mainly bright coal; pyritic.
Glanskool; hoofsaaklik fyngelaag.	1	0	—		**Coal,** bright; mainly finely banded.
Skalie, koolstofhoudend, met glanskoolstrepies en glyvlakke.		8	—		Shale, carbonaceous, with bright coal stringers and slip planes.
Steenkool; hoofsaaklik glanskool; skalieagtig na onder; kalsiet- en piriethoudend.	1	0	—		**Coal;** mainly bright coal, shaly towards bottom; calcitic and pyritic.
Skalie, koolstofhoudend ...		10	—		Shale, carbonaecous.
Steenkool; hoofsaaklik glanskool; plek-plek skalieagtig; piriet- en kalsiethoudend.	1	6	789	9	**Coal;** mainly bright coal, shaly in places; pyritic and calcitic.
Skalie, koolstofhoudend, met enkele dun steenkoollagies.	13	7	803	4	Shale, carbonaceous, with occasional thin coal bands.
Skalie en steenkool; 6-dm. tot 12-dm. lae van hoofsaaklik koolstofhoudende skalie en hoofsaaklik piriet- en kalsiethoudende glanskool om die beurt. 'n Paar glyvlakke by 816 vt. 0 dm.	45	1	848	5	Shale and coal; alternating 6-in. to 12-in. bands of mainly carbonaceous shale and mainly pyritic and calcitic bright coal. A few slip planes at 816 ft. 0 in.
Steenkool; hoofsaaklik glanskool, met 'n 2-dm. koolstofhoudende skalielagie 40 dm. van bo af.	5	10	854	3	**Coal;** mainly bright coal, with a 2-in. carbonaceous shale band 40 in. from top.
Skalie, koolstofhoudend		4	—		Shale, carbonaceous.
Glanskool, kalsiethoudend, met 'n paar skalieagtige lae. ...	1	9	—		**Coal,** bright, calcitic, with a few shaly bands.
Skalie, koolstofhoudend. ...		3	—		Shale, carbonaceous.
Glanskool, kalsiethoudend ...		6	—		**Coal,** bright, calcitic.
Skalie, koolstofhoudend, glanskool en skalieagtige steenkool om die beurt; glanskool is effens piriet- en kalsiethoudend.	8	6	865	7	Shale, carbonaceous, bright coal and shaly coal in alternating bands; bright coal is slightly pyritic and calcitic.
Glanskool, fyngelaag	2	3	—		**Coal,** bright, finely banded.
Skalie, koolstofhoudend, glanskool en skalieagtige steenkool om die beurt; plek-plek kalsiethoudend.	13	7	—		Shale, carbonaceous, bright coal and shaly coal in alternating bands; calcitic in places.
Steenkool; hoofsaaklik glanskool, met skalieagtige dele.	2	3	—		**Coal;** mainly bright coal, with shaly portions.
Skalie, koolstofhoudend met 'n paar dun glanskoollagies.	4	10	—		Shale, carbonaceous, with a few thin bright coal bands.
*Skalie, koolstofhoudend, en glanskool om die beurt, plek-plek met siderietkorrels.	21	6	—		*Shale, carbonaceous, and bright coal in alternating bands; siderite pellets in parts.
*Kernkas gebreek en kern deurmekaar.					*Core-box broken and core mixed up.
Skalie, koolstofhoudend, skalieagtige steenkool en glanskool; skalie is ver oorwegend.	10	0	—		Shale, carbonaceous, shaly coal and bright coal; shale is far in excess.

Bg. 43 (*Verv.*) B.H. 43 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, koolstofhoudend, en kalsiethoudende glanskool om die beurt.	15	8	—		Shale, carbonaceous, and calcitic bright coal in alternating bands.
Skalie, koolstofhoudend, met enkele glanskoollagies; erg piriethoudend by onderent.	11	0	—		Shale, carbonaceous, with occasional bright coal bands; very pyritic at bottom.
Skalie, koolstofhoudend, en steenkool; hoofsaaklik skalie; 6 dm. piriet- en kalsiethoudende glanskoollae naby boent en steenkoolagtig na onder.	12	3	—		Shale, carbonaceous, and coal; mainly shale; 6 in. pyritic and calcitic bright coal bands near top and coaly towards bottom.
Skalie, koolstofhoudend, plek-plek steenkoolagtig; bevat 'n paar glanskoollagies en 'n paar bruinerige skalielae.	6	10	—		Shale, carbonaceous, coaly in places; contains a few bright coal bands and a few brownish shale bands.
Steenkool; hoofsaaklik skalieagtige piriethoudende matkool. *(Kernkas gebreek en kern deurmekaar. 5 vt. 0 dm. kern te veel tussen 865 vt. 7 dm. en 964 vt. 2 dm. Onreëlmatigheid toe te skrywe aan gebreekte kaste).	3	5	964	2	**Coal**; mainly dull, shaly, pyritic coal. *(Core-box broken and core mixed up. 5 ft. 0 in. core too much between 865 ft. 7 in. and 964 ft. 2 in. Anomaly due to broken boxes).
Skalie, koolstofhoudend, skalieagtige matkool en kalsiet- en piriethoudende steenkool; afwisselende breë lae; skalie ver oorwegend.	24	6	988	8	Shale, carbonaceous, dull shaly coal, and calcitic and pyritic coal in alternating wide bands; shale far in excess.
Sandsteen, swart en vaal, gelaag, fynkorrelrig.	2	8	—		Sandstone, black and grey, laminated, fine-grained.
Skalie en steenkool		7	993	3	Shale and coal.
Skalie, kleiagtig	2	2	—		Shale, clayey.
Sandsteen, swart, koolstofhoudend, fynkorrelrig.	2	8	—		Sandstone, black, carbonaceous, fine-grained.
Sandsteen, swart, middel- tot grofkorrelrig.	7	8	1,005	9	Sandstone, black, medium- to coarse-grained.
Sandsteen, fynkorrelrig, en sanderige skalie om die beurt.	9	0	1,014	9	Sandstone, fine-grained, and sandy shale in alternating bands.
Skalie, koolstofhoudend	1	1	1,015	10	Shale, carbonaceous.
Matkool, met enkele glanskoolstrepies en 'n 3-dm. skalieagtige laag 22 dm. van bo af; kalsiethoudend na onder.	5	7	—		**Coal**, dull, with occasional bright coal stringers and a 3-in. shaly band 22 in. from top; calcitic towards bottom.
Matkool, skalieagtig, piriethoudend, korrelrig.	1	10	—		**Coal**, dull, shaly, pyritic, granular.
Matkool, nie-gelaag, kalsiethoudend.	1	8	—		**Coal**, dull, non-banded, calcitic.
Matkool, korrelrig	1	0	—		**Coal**, dull, granular.
Steenkool, skalieagtig		9	—		**Coal**, shaly.
Matkool, plek-plek glansend en bevat enkele glanskoolstrepies na onder; 'n 1½-dm. pirietknol naby onderent.	9	10	—		**Coal**, dull, lustrous in parts and contains occasional bright coal stringers towards bottom; a 1½-in. pyrite nodule near bottom.
Steenkool, gemeng, erg piriethoudend; 'n ½-dm. pirietlagie 11 dm. van bo af.	1	10	—		**Coal**, mixed, very pyritic; a ½-in. pyritic band 11 in. from top.
Matkool, nie-gelaag, piriethoudend by bo-ent.	1	7	—		**Coal**, dull, non-banded, pyritic at top.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, koolstofhoudend, en steenkoolagtige skalie.	1	4	—		Shale, carbonaceous, and coaly shale.
Matkool, skalieagtig, met 'n 1-dm. pirietlaag 16 dm. van bo af.	3	9	—		**Coal,** dull, shaly, with a 1-in. pyrite band 16 in. from top.
Matkool, met 'n paar glanskoolstrepies na onder en 1 dm. piriet 14 dm. van bo af.	1	11	—		**Coal,** dull, with a few bright coal stringers towards bottom and 1 in. pyrite 14 in. from top.
Skalieagtige, piriethoudende laag.		6	—		Shaly, pyritic band.
Steenkool; hoofsaaklik glanskool; fyngelaag.		9	—		**Coal;** mainly bright coal; finely banded.
Steenkool; hoofsaaklik matkool; 'n 2-dm. koolstof- en piriethoudende laag 12 dm. van bo af.	1	7	—		**Coal;** mainly dull; a 2-in. carbonaceous and pyritic band 12 in. from top.
Skalie, steenkoolagtig		5	—		Shale, coaly.
Matkool met 'n paar lae gemengde steenkool; plek-plek piriethoudend.	5	6	—		**Coal,** dull; contains a few bands of mixed coal; pyritic in places.
Matkool met 'n bietjie glanskool naby onderent; erg piriethoudend en plek-plek skalieagtig.	4	1	1,059	9	**Coal,** dull, with a little bright coal near bottom; very pyritic and shaly in places.
Grintsteen, grys, met vaalbruin dele; bevat pirietknolle.	1	9	—		Grit, grey, with greyish brown portions; contains pyrite nodules.
Steenkool	1	2	1,062	8	**Coal.**
Sandsteen, fyn-, middel- en grofkorrelrig, goedgelaag, kruisgelaag, vaal tot ligbruin, mikadraend, plek-plek swart.	19	0	—		Sandstone, fine-, medium- and coarse-grained, well banded, cross-bedded, grey to light brown, micaceous, black in places.
Steenkool	3	7	1,085	3	**Coal.**
Sandsteen, fyngelaag, mikadraend, vaal tot bruinerig, en middelkorrelrige, gelaagde, bruin tot vaal en swart mikadraende sandsteen. Onderste 9 dm. is grintsteen met wit kwartsklippies van ½ dm. deursnee.	27	9	1,113	0	Sandstone, finely laminated, micaceous, grey to brownish, and medium-grained, laminated, brown to grey and black micaceous sandstone. Bottom 9 in. gritty, with white quartz pebbles of ½ in. diameter.

BOORGAT 43 : RAMUSIO 1234 : BOREHOLE 43

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 206	N.G.	14	779 9	N.S.
C	**Steenkool;** hoofsaaklik glanskool; kalsiet- en erg piriethoudend, met 'n korrelrige voorkoms.	21	—	**Coal;** mainly bright coal; calcitic, and very pyritic, with a granular appearance.
	N.G.	7	—	N.S.
	Steenkool; hoofsaaklik glanskool; kalsiet- en erg piriethoudend, met 'n korrelrige voorkoms.	13	—	**Coal;** mainly bright coal; calcitic and very pyritic, with a granular appearance.
	N.G.	7	—	N.S.
	Steenkool; hoofsaaklik glanskool; piriethoudend.	12	—	**Coal;** mainly bright coal; pyritic.
B	**Glanskool;** hoofsaaklik fyngelaag.	12	—	**Coal, bright;** mainly finely banded.
	N.G.	8	—	N.S.
A	**Steenkool;** hoofsaaklik glanskool; skalieagtig na onder; kalsiet- en piriethoudend.	12	—	**Coal;** mainly bright coal; shaly towards bottom; calcitic and pyritic.
	N.G.	10	—	N.S.
	Steenkool; hoofsaaklik glanskool; plek-plek skalieagtig; piriet- en kalsiethoudend.	18	789 9	**Coal;** mainly bright coal; shaly in places; pyritic and calcitic.
P 207	N.G.	—	848 5	N.S.
C	**Steenkool;** hoofsaaklik glanskool, met 2 dm. koolstofhoudende skalie 40 dm. van bo af uitgesluit.	70	—	**Coal;** mainly bright coal, with 2 in. carbonaceous shale 40 in. from top excluded.
	N.G.	4	—	N.S.
B	**Glanskool,** kalsiethoudend, met 'n paar skalieagtige lae.	21	—	**Coal, bright,** calcitic, with a few shaly bands.
	N.G.	3	—	N.S.
	Glanskool, kalsiethoudend.	6	—	**Coal, bright,** calcitic.
	N.G.	102	—	N.S.
A	**Glanskool,** fyngelaag.	27	—	**Coal, bright,** finely banded
P 208	N.G.	13	1,015 10	N.S.
L	**Matkool** met enkele glanskoolstrepies en 'n 3-dm. skalieagtige laag 22 dm. van bo af uitgesluit; kalsiethoudend na onder.	67	—	**Coal, dull,** with an occasional bright coal stringer, and a 3-in. shaly band 22 in. from top excluded; calcitic towards bottom.
K	**Matkool,** skalieagtig, piriethoudend, korrelrig.	22	—	**Coal, dull,** shaly, pyritic, granular.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
J	**Matkool,** nie-gelaag, kalsiethoudend.	20	—	**Coal,** dull, non-banded, calcitic.
	Matkool, korrelrig ...	12	—	**Coal,** dull, granular.
	N.G.	9	—	N.S.
H	**Matkool,** plek-plek glansend en bevat enkele glanskoolstrepies na onder; 'n 1½-dm. pirietknol naby onderent uitgesluit.	118	—	**Coal,** dull, lustrous in parts and contains occasional bright coal stringers towards bottom; a 1½-in. pyrite nodule near bottom excluded.
G	**Steenkool,** gemeng, erg piriethoudend; 'n ½-dm. pirietlagie 11 dm. bo af uitgesluit.	22	—	**Coal,** mixed, very pyritic, a ½-in. pyrite band 11 in. from top excluded.
F	**Matkool,** nie-gelaag, piriethoudend by boent.	19	—	**Coal,** dull, non-banded, pyritic at top.
	N.G.	16	—	N.S.
E	**Matkool,** skalieagtig, met 'n 1-dm. pirietlaag 16 dm. van bo af uitgesluit.	45	—	**Coal,** dull, shaly, with a 1-in. pyrite band 16 in. from top excluded.
D	**Matkool** met 'n paar glanskoolstrepies na onder; 1 dm. piriet 14 dm. van bo af uitgesluit.	23	—	**Coal,** dull, with a few bright coal stringers towards bottom; 1 in. pyrite 14 in. from top excluded.
	N.G.	6	—	N.S.
C	**Steenkool;** hoofsaaklik fyngelaagde glanskool.	9	—	**Coal;** mainly finely banded bright coal.
	Steenkool; hoofsaaklik matkool; 'n 2-dm. koolstof- en piriethoudende laag 12 dm. van bo af uitgesluit.	19	—	**Coal;** mainly dull; a 2-in carbonaceous and pyrite band 12 in. from top excluded.
	N.G.	5	—	N.S.
B	**Matkool** met 'n paar lae gemengde steenkool; plek-plek piriethoudend.	66	—	**Coal,** dull, with a few bands of mixed coal; pyritic in places.
A	**Matkool** met 'n bietjie glanskool naby onderent; erg piriethoudend en plek-plek skalieagtig.	49	1,059 9	**Coal,** dull, with a little bright coal near bottom; very pyritic and shaly in places.

BOORGAT 43 : RAMUSIO 1234 : BOREHOLE 43

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	Wastoets Washing Test			Kortanalises (Luggedroogde steenkool) Proximate Analyses (Air-dried coal)						Soortlike Gewig-Afskeiding (−16 maas B.S.S.) Specific Gravity Separation (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
P 206 C	46	—	—	—	10·2	2·4	23·6	33·7	40·3	—	54·0	8·5	71·3	12·3	4½	4½
B	12	—	—	—	11·4	2·9	16·8	34·2	46·1	—	74·7	6·3	83·3	9·0	4	4½
A	30	—	—	—	—	2·8	25·4	30·6	41·2	—	51·8	8·0	66·4	11·9	4½	4½
P 207 C	68	—	—	—	10·7	2·5	23·5	31·6	42·4	—	56·3	8·4	73·1	12·1	4½	4
B	27	—	—	—	10·8	2·3	22·6	33·4	41·7	—						
A	27	—	—	—	12·3	2·8	13·8	35·0	48·4	—	80·5	7·1	90·9	10·1	5	4
P 208 L	64	—	—	—	10·9	3·3	19·2	19·6	57·9	—	30·0	5·7	73·3	10·4	P	P
K	22	—	—	—	—	2·8	26·0	26·2	45·0	—	20·6	6·7	49·5	10·1	P	P
J	32	—	—	—	11·0	3·5	18·9	20·6	57·0	—	38·5	4·8	73·1	8·3	F	P
H	118	—	—	—	9·6	2·9	25·8	16·2	55·1	—	12·2	7·6	54·3	13·9	P	F
G	22	—	—	—	11·1	2·6	18·3	27·5	51·5	—	59·5	5·0	72·8	7·4	1Ag	1Ag
F	19	—	—	—	—	2·1	39·8	18·6	39·5	—	—	—	—	—	—	—
E	45	—	—	—	—	2·4	38·8	16·9	41·9	—	—	—	—	—	—	—
D	23	—	—	—	9·9	2·6	25·8	20·0	51·6	—	18·1	8·3	54·3	14·4	1Ag	F
C	26	—	—	—	10·3	2·5	25·1	23·8	48·6	—	34·0	5·7	52·0	10·2	1½Ag	1Ag
B	66	—	—	—	9·9	2·6	24·7	21·1	51·6	—	22·3	5·4	59·2	11·6	1Ag	F
A	49	—	—	—	10·6	2·6	22·7	23·9	50·8	—	41·5	6·1	64·5	9·4	F	F

BOORGAT 44 : VAN WYKSPAN 1365 : BOREHOLE 44.

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Sand	7 0	7 0	Sand.
Sandsteen, baie fynkorrelrig, rooibruin en wit, om die beurt. (Rooi-lae).	214 3	221 3	Sandstone, very fine-grained, reddish brown and white, alternating. (Red beds).
Sandsteen en grintsteen. (Molteno-lae. Met stamper geboor tot op 248 vt. 6 dm.).	27 3	248 6	Sandstone and grit. (Molteno beds. Drilled with jumper down to 248 ft. 6 in.).
Moddersteen, ligbruin, plek-plek met vaalkleurige dele.	130 0	—	Mudstone, light brown, with greyish portions in places.
Moddersteen, vaalkleurig ...	161 7	540 1	Mudstone, greyish.
Skalie, koolstofhoudend	1 4	541 5	Shale, carbonaceous.
Steenkool, gemeng; hoofsaaklik matkool; korrelrig, skalieagtig, piriethoudend.	1 2	—	**Coal,** mixed, mainly dull, granular, shaly, pyritic.
Skalie, koolstofhoudend, met dun glanskoolstrepies en glyvlakke.	4	—	Shale, carbonaceous, with thin bright coal stringers and slip planes.
Glanskool, erg piriethoudend, met dun skalieagtige lagies en kalsietlagies.	2 10	—	**Coal,** bright, very pyritic, with thin shaly bands and calcite layers.
Skalie, koolstofhoudend	2	545 11	Shale, carbonaceous.
Skalie, koolstofhoudend, met 'n paar steenkoollagies.	2 7	—	Shale, carbonaceous, with a few coal bands.
Skalie, vaalswart	4 6	—	Shale, greyish black.
Glanskool	5	—	**Coal,** bright.
Skalie, swart	8	—	Shale, black.
Skalie, vaal	6	—	Shale, grey.
Skalie, koolstofhoudend, met 'n paar glanskoollagies.	12 10	567 5	Shale, carbonaceous, with a few bands of bright coal.
Glanskool en koolstofhoudende skalie, gemeng.	3 6	—	**Coal,** bright, and carbonaceous shale, mixed.
Skalie, koolstofhoudend, met glanskoollagies; piriethoudend.	7 10	—	Shale, carbonaceous, with bands of bright coal; pyritic.
Steenkool, gemeng; hoofsaaklik glanskool.	1 0	—	**Coal,** mixed, mainly bright.
Skalie, koolstofhoudend, met glanskoollagies.	9	—	Shale, carbonaceous, with stringers of bright coal.
Glanskool en koolstofhoudende skalie, gemeng.	1 3	—	**Coal,** bright, and carbonaceous shale, mixed.
Skalie, koolstofhoudend	3	—	Shale, carbonaceous.
Steenkool, gemeng; meer glansend by onderent.	1 9	—	**Coal,** mixed, brighter towards bottom.
Skalie, koolstofhoudend, met glanskoolstrepies.	7	—	Shale, carbonaceous, with stringers of bright coal.
Steenkool, gemeng, met skalieagtige lagies; kalsiethoudend en erg piriethoudend.	1 3	—	**Coal,** mixed, with shaly bands; calcitic and very pyritic.
Skalie, koolstofhoudend, met glanskoollagies.	11	—	Shale, carbonaceous, with bright coal stringers.
Glanskool en skalie, gemeng ...	4 2	590 8	**Coal,** bright, and shale, mixed.
Skalie, koolstofhoudend	1 4	—	Shale, carbonaceous.
Skalie, koolstofhoudend, en glanskool.	1 5	593 5	Shale, carbonaceous, and bright coal.
Steenkool, gemeng, hoofsaaklik glanskool; met twee 2-dm. koolstofhoudende skalielae.	3 9	—	**Coal,** mixed, mainly bright, with two 2-in. carbonaceous shale bands.
Skalie, vaal, met 'n paar glanskoolstrepies.	8	—	Shale, grey, with a few bright coal stringers.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Steenkool; hoofsaaklik glanskool, met koolstofhoudende skalielae en glyvlakke.	4	2	—		**Coal;** mainly bright, with carbonaceous shale bands and slip planes.
Skalie, koolstofhoudend, met steenkoollagies.	2	8	—		Shale, carbonaceous, with coal bands.
Steenkool; hoofsaaklik glanskool; skalieagtig by bo-ent.		9	605	5	**Coal;** mainly bright; shaly at top.
Skalie, koolstofhoudend	2	6	—		Shale, carbonaceous.
Skalie, koolstofhoudend, met glanskool.		2	608	1	Shale, carbonaceous, with bright coal.
Steenkool; hoofsaaklik glanskool; plek-plek skalieagtig; piriethoudend.	2	0	—		**Coal;** mainly bright; shaly in parts; pyritic.
Skalie, koolstofhoudend, en vaal skalie.		6	—		Shale, carbonaceous, and grey shale.
Steenkool; hoofsaaklik glanskool; skalieagtig in middel en piriethoudend.	3	0	—		**Coal;** mainly bright; shaly in middle and pyritic.
Skalie, koolstofhoudend, met steenkoollae.		7	—		Shale, carbonaceous, with coal bands.
Glanskool, met ½-dm. skalielagies; piriethoudend.		10	—		**Coal,** bright, with ½-in. shale bands; pyritic.
Glanskool; erg glansend en piriethoudend; skalieagtig by bo- en onderente, en kalsiethoudend.	3	1	618	1	**Coal,** very bright and pyritic; shaly at top and bottom and calcitic.
Skalie, koolstofhoudend	5	5	623	6	Shale, carbonaceous.
Steenkool; hoofsaaklik glanskool met 5 dm. skalieagtige steenkool 16 dm. van bo af.	3	6	627	0	**Coal,** mainly bright, with 5 in. shaly coal 16 in. from top.
Skalie, vaal		10	—		Shale, grey.
Skalie, koolstofhoudend, en gemengde steenkool.	4	9	—		Shale, carbonaceous, and mixed coal.
Steenkool; hoofsaaklik glanskool; plek-plek skalieagtig agtig en met 'n 6-dm. korrelrige piriethoudende laag naby onderent.	3	5	636	0	**Coal;** mainly bright; shaly in places and with a 6-in. granular pyritic band near bottom.
Skalie, koolstofhoudend, met baie glanskoollagies van 1dm. tot 4 dm.	6	7	642	7	Shale, carbonaceous, with many bright coal bands from 1 in. to 4 in.
Steenkool; hoofsaaklik glanskool, met skalieagtige lae; kalsiet- en piriethoudend.	2	2	—		**Coal;** mainly bright, with shaly bands; calcitic and pyritic.
Skalie, vaal		4	—		Shale, grey.
Glanskool oorwegend; kalsiethoudend.		2	645	3	**Coal;** mainly bright; calcitic.
(A. 656 vt. 10 dm. tot 658 vt. 11 dm.: kernkis gebreek en kern deurmekaar).	2	1	—		(A. 656 ft. 10 in. to 658 ft. 11 in.: core box broken and core mixed up).
Skalie, koolstofhoudend		5	—		Shale, carbonaceous.
(659 vt. 4 dm. tot 660 vt. 2 dm. soos A hierbo).		10	—		(659 ft. 4 in. to 660 ft. 2 in. like A above).
Skalie, koolstofhoudend, met enkele steenkoolae.	3	7	663	9	Shale, carbonaceous, with an occasional coal band.
Steenkool; hoofsaaklik glanskool, met skalieagtige lae; kalsiet- en piriethoudend.	1	8	—		**Coal;** mainly bright, with shaly bands; calcitic and pyritic.
Skalie, koolstofhoudend, met glanskoollagies.		4	—		Shale, carbonaceous, with bright coal stringers.
Skalie, koolstofhoudend, met heelwat steenkoollae tot 6 dm. dikte.	8	1	—		Shale, carbonaceous, with many coal bands up to 6 in. thick.

Bg. 44 (*Verv.*) B.H. 44 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
(673 vt. 10 dm. tot 675 vt. 3 dm. Soos A hierbo).	1 5	—	(673 ft. 10 in. to 675 ft. 3 in. Like A above).
Skalie, koolstofhoudend met heelwat steenkoollae tot 6 dm. dikte.	16 4	—	Shale, carbonaceous, with many coal bands up to 6 in. thick.
(691 vt. 7 dm. tot 693 vt. 6 dm. Soos A hierbo).	1 11	—	(691 ft. 7 in. to 693 ft. 6 in. Like A above).
Skalie, koolstofhoudend	11	—	Shale, carbonaceous.
Glanskool, met twee 2-dm. skalielagies naby middel; bevat bruin kolle (vermoedelik ysterkarbonaat—J.F.C.).	3 0	—	**Coal,** bright, with two 2-in. shale bands near middle; contains brown spots (presumably iron carbonate—J.F.C.).
Skalie, koolstofhoudend	8	—	Shale, carbonaceous.
Glanskool, met skalieagtige dele by bo-ent.	1 2	699 3	**Coal,** with bright, shaly portions at top.
Skalie, koolstofhoudend met enkele 2-dm. tot 5-dm. glanskoollae.	8 7	—	Shale, carbonaceous, with a few 2-in. to 5-in. bright coal bands.
Glanskool, met 'n bietjie koolstofhoudende skalie; piriet- en kalsiethoudend.	1 1	708 11	**Coal,** bright, with some carbonaceous shale; pyritic and calcitic.
Skalie, koolstofhoudend, met heelwat glanskoollae van 1 dm. tot 6 dm. dikte.	17 8	726 7	Shale, carbonaceous, with many bright coal bands from 1 in. to 6 in. thick.
Glanskool, met koolstofhoudende skalielae; piriet- en kalsiethoudend.	1 2	727 9	**Coal,** bright, with carbonaceous shale bands; pyritic and calcitic.
Skalie, koolstofhoudend, met glanskool, gemengde steenkool en skalieagtige steenkool, plek-plek piriet- en kalsiethoudend.	24 6	—	Shale, carbonaceous, with bright coal, mixed coal and shaly coal; pyritic and calcitic in places.
Matkool, plek-plek skalieagtig; bevat 'n bietjie glanskool naby onderent; plek-plek piriethoudend. (32 dm. kern vermis tussen 726 vt. 7 dm. en 759 vt. 7 dm.).	4 8	759 7	**Coal,** dull, shaly in places; contains some bright coal near bottom; pyritic in places. (32 in. of core missing between 726 ft. 7 in. and 759 ft. 7 in).
Skalie, koolstofhoudend	8 6	—	Shale, carbonaceous.
Skalie, koolstofhoudend, en koolstofhoudende, kleiagtige skalie, met 'n 2-dm. lagie fynkorrelrige skalieagtige steenkool 42 dm. van bo af.	6 3	774 4	Shale, carbonaceous, and carbonaceous, clayey shale, with a 2-in. band of finely granular shaly coal 42 in. from top.
Steenkool, skalieagtig, met 'n paar glanskoolstrepies; kalsiethoudend.	1 3	—	**Coal,** shaly, with a few bright stringers; calcitic.
Skalie, koolstofhoudend en kleiagtig.	1 2	—	Shale, carbonaceous and clayey.
Steenkool; hoofsaaklik matkool en skalieagtige steenkool ; meer glansend na onder; plek-plek kalsiet- en piriethoudend; 7 dm. skalie 21 dm. van bo af.	4 2	—	**Coal;** mainly dull and shaly coal; brighter towards bottom; calcitic and pyritic in places; 7 in. shale 21 in. from top.
Skalie, koolstofhoudend	3 3	784 2	Shale, carbonaceous.
Skalie en steenkool, gemeng ...	1 8	—	Shale and coal, mixed.
Skalie, koolstofhoudend	4 5	790 3	Shale, carbonaceous.
Steenkool; hoofsaaklik matkool; erg piriethoudend.	3 0	—	**Coal;** mainly dull; very pyritic.
Skalie, koolstofhoudend, en piriet.	2	—	Shale, carbonaceous, and pyrites.

Bg. 44 (*Verv.*) B.H. 44 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Skalie, koolstofhoudend, en koolstofhoudende, kleiagtige skalie.	3 9	—	Shale, carbonaceous, and carbonaceous, clayey shale.
Glanskool, erg piriethoudend.	3	—	**Coal,** bright, very pyritic.
Skalie, koolstofhoudend, en koolstofhoudende, kleiagtige skalie.	1 8	—	Shale, carbonaceous, and carbonaceous clayey shale.
Steenkool; hoofsaaklik matkool.	1 0	—	**Coal;** mainly dull.
Skalie, koolstofhoudend, en koolstofhoudende, kleiagtige skalie.	2 0	—	Shale, carbonaceous, and carbonaceous clayey shale.
Steenkool; hoofsaaklik matkool; kalsiethoudend.	1 0	—	**Coal;** mainly dull; calcitic.
Skalie, koolstofhoudend, en steenkoolagtige skalie met glanskoolstrepies.	1 3	—	Shale, carbonaceous, and coaly shale with bright coal stringers.
Steenkool; hoofsaaklik korrelrige matkool; kalsiethoudend, met baie pirietknolle. ('n Waterdraende alumino-kalsium-karbonaat, van straal- en naaldvormige voorkoms is hier gevind).	7 4	—	**Coal;** mainly dull, granular coal; calcitic with many pyrite nodules. (A radial- and needle-shaped hydrous alumino-calcium carbonate, was found here).
Steenkool; hoofsaaklik matkool; kalsiethoudend.	1 8	—	**Coal;** mainly dull; calcitic.
Skalie, koolstofhoudend	10	—	Shale, carbonaceous.
Steenkool; hoofsaaklik korrelrige matkool; kalsiet- en piriethoudend.	5 1	—	**Coal;** mainly dull, granular; calcitic and pyritic.
Steenkool, gemeng, met glanskool by onderent; kalsiethoudend.	1 0	—	**Coal,** mixed, with bright coal at bottom; calcitic.
Matkool, kalsiethoudend ...	6	—	**Coal,** dull, calcitic.
Steenkool; hoofsaaklik korrelrige matkool; kalsiet- en piriethoudend; meer glansend na onder.	4 0	—	**Coal;** mainly dull, granular; calcitic and pyritic; brighter towards bottom.
Steenkool; lae van glanskool en matkool om die beurt; kalsiet- en piriethoudend.	3 7	—	**Coal;** alternating bands of bright and dull coal; calcitic and pyritic.
Glanskool, fyngelaag, lyk plek-plek soos smidskool; kalsiethoudend.	1 3	829 7	**Coal,** bright and finely banded; smithy-like in parts; calcitic.
Skalie en fynkorrelrige sandsteen.	1 0	—	Shale and fine-grained sandstone.
Sandsteen, koolstofhoudend, en steenkool.	1 3	831 10	Sandstone, carbonaceous, and coal.
Matkool	2 6	—	**Coal,** dull.
Steenkool; hoofsaaklik matkool, met 'n paar skalieagtige en piriethoudende steenkoollae.	3 4	—	**Coal;** mainly dull, with a few shaly and pyritic coal bands.
Steenkool; hoofsaaklik matkool.	2 9	840 5	**Coal;** mainly dull.

BOORGAT 44 : VAN WYKSPAN 1365 : BOREHOLE 44

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
O 431	N.G.	16	541 5	N.S.
B	**Steenkool,** gemeng, hoofsaaklik matkool; korrelrig, skalieagtig, piriethoudend.	14	—	**Coal,** mixed, mainly dull; granular, shaly, pyritic.
	N.G.	4	—	N.S.
A	**Glanskool,** erg piriethoudend, met dun skalieagtige lagies en kalsietlagies.	34	—	**Coal,** bright, very pyritic, with thin shaly bands and calcite layers.
	N.G.	2	545 11	N.S.
O 432	N.G.	130	567 5	N.S.
F	**Glanskool** en koolstofhoudende skalie, gemeng.	42	—	**Coal,** bright, and carbonaceous shale, mixed.
	N.G.	94	—	N.S.
E	**Steenkool,** gemeng; hoofsaaklik glanskool.	12	—	**Coal,** mixed; mainly bright.
	N.G.	9	—	N.S.
D	**Glanskool** en koolstofhoudende skalie, gemeng.	15	—	**Coal,** bright, and carbonaceous shale, mixed.
	N.G.	3	—	N.S.
C	**Steenkool,** gemeng; meer glansend by onderent.	21	—	**Coal,** mixed; brighter towards bottom.
	N.G.	7	—	N.S.
B	**Steenkool,** gemeng, met skalieagtige lagies; kalsiethoudend en erg piriethoudend.	15	—	**Coal,** mixed, with shaly bands; calcitic and very pyritic.
	N.G.	11	—	N.S.
A	**Glanskool** en skalie, gemeng.	50	590 8	**Coal,** bright, and shale, mixed.
O 433	N.G.	17	593 5	N.S.
C	**Steenkool,** gemeng, hoofsaaklik glanskool, met twee 2-dm. koolstofhoudende skalielae.	45	—	**Coal,** mixed, mainly bright, with two 2-in. carbonaceous shale bands.
	N.G.	8	—	N.S.
B	**Steenkool;** hoofsaaklik glanskool, met koolstofhoudende skalielae en glyvlakke; 4 dm. koolstofhoudende skalie 9 dm. van onder af is uitgesluit.	50	—	**Coal;** mainly bright, with carbonaceous shale bands and slip planes; 4 in. carbonaceous shale 9 in. from bottom is excluded.
	N.G.	32	—	N.S.
A	**Steenkool;** hoofsaaklik glanskool; skalieagtig by bo-ent.	9	605 5	**Coal;** mainly bright; shaly at top.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. In.	*Vt. Dm. Ft. In.*	
O 434	N.G.	2	608 1	N.S.
D	**Steenkool**; hoofsaaklik glanskool; plek-plek skalieagtig; piriethoudend.	24	—	**Coal**; mainly bright; shaly in parts; pyritic.
	N.G.	6	—	N.S.
C	**Steenkool**; hoofsaaklik glanskool; skalieagtig in middel en piriethoudend.	36	—	**Coal**; mainly bright; shaly in middle and pyritic.
O 434	N.G.	7	—	N.S.
B	**Glanskool**, met ½-dm. skalielagies ; piriethoudend.	10	—	**Coal**, bright, with ½-in. shale bands, pyritic.
A	**Glanskool**, erg glansend en piriethoudend, skalieagtig by bo- en onderente ; kalsiethoudend.	37	618 1	**Coal**, very bright and pyritic, shaly at top and bottom; calcitic.
	N.G.	65	623 6	N.S.
O 435	N.G.	—	623 6	N.S.
B	**Steenkool**; hoofsaaklik glanskool ; 5 dm. skalieagtige steenkool, 16 dm. van bo af is uitgesluit.	42	627 0	**Coal**; mainly bright; 5 in. shaly coal, 16 in. from top is excluded.
	N.G.	10	—	N.S.
	N.G.	57	—	N.S.
A	**Steenkool**; hoofsaaklik glanskool; plek-plek skalieagtig, met 'n 6-dm. korrelrige piriethoudende laag naby onderent.	41	636 0	**Coal**; mainly bright; shaly in places, with a 6-in. granular pyritic band near bottom.
O 436	N.G.	79	642 7	N.S.
E	**Steenkool**; hoofsaaklik glanskool, met skalieagtige lae; kalsiet- en piriethoudend.	26	—	**Coal**; mainly bright, with shaly bands; calcitic and pyritic.
	N.G.	4	—	N.S.
	N.G.	2	645 3	N.S.
	N.G. (kern deurmekaar)	25	—	N.S. (core mixed).
	N.G.	5	—	N.S.
	N.G.	10	—	N.S.
	N.G.	43	663 9	N.S.
D	**Steenkool**; hoofsaaklik glanskool, met skalieagtige lae; kalsiet- en piriethoudend.	20	665 5	**Coal**; mainly bright, with shaly bands; calcitic and pyritic.
	N.G.	4	—	N.S.
	N.G.	97	—	N.S.
	N.G. (kern deurmekaar)	17	—	N.S. (core mixed).

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. In.	*Vt. Dm. Ft. In.*	
D	N.G.	196	—	N.S.
	N.G. (kern deurmekaar)	23	—	N.S. (core mixed).
	N.G.	11	—	N.S.
C	**Glanskool,** met twee 2-dm. skalielagies naby middel; bevat bruin kolle (vermoedelik ysterkarbonaat—J.F.C.).	36	—	**Coal,** bright, with two 2-in. shale bands near middle; contains brown spots (presumably iron carbonate—J.F.C.).
	N.G.	8	—	N.S.
B	**Glanskool,** met skalieagtige dele by bo-ent.	14	699 3	**Coal,** bright, with shaly portions at top.
	N.G.	103	—	N.S.
A	**Glanskool,** met 'n bietjie koolstofhoudende skalie; piriet- en kalsiethoudend.	13	708 11	**Coal,** bright, with some carbonaceous shale; pyritic and calcitic.
O 437	N.G.	—	726 7	N.S.
B	**Glanskool,** met koolstofhoudende skalielae; piriet- en kalsiethoudend.	14	727 9	**Coal,** bright, with carbonaceous shale bands; pyritic and calcitic.
	N.G.	294	—	N.S.
A	**Matkool,** plek-plek skalieagtig; bevat 'n bietjie glanskool naby onderent; plek-plek piriethoudend. (32 dm. kern word vermis tussen 726 vt. 7 dm. en 759 vt. 7 dm).	56	759 7	**Coal,** dull, shaly in places; contains some bright coal near bottom; pyritic in places. (32 in. core missing between 726 ft. 7 in. and 759 ft. 7 in).
O 438	N.G.	75	774 4	N.S.
B	**Steenkool,** skalieagtig, met 'n paar glanskoolstrepies; kalsiethoudend.	15	—	**Coal,** shaly, with a few bright stringers; calcitic.
	N.G.	14	—	N.S.
A	**Steenkool;** hoofsaaklik matkool en skalieagtige steenkool; meer glanskool na onder; plek-plek kalsiet- en piriethoudend; 7 dm. koolstofhoudende skalie, 21 dm. van bo af uitgesluit.	50	—	**Coal;** mainly dull coal and shaly coal; brighter towards bottom; calcitic and pyritic in places; 7 in. carbonaceous shale 21 in. from top excluded.
	N.G.	39	784 2	N.S.
O 439	N.G.	53	790 3	N.S.
L	**Steenkool;** hoofsaaklik matkool; erg piriethoudend.	36	—	**Coal;** mainly dull; very pyritic.
	N.G.	2	—	N.S.
	N.G.	45	—	N.S.

Bg. 44 (*Verv.*) B.H. 44 (*Contd.*)

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
L	N.G.	3	—	N.S.
	N.G.	20	—	N.S.
K	**Steenkool;** hoofsaaklik matkool.	12	—	**Coal;** mainly dull.
	N.G.	24	—	N.S.
J	**Steenkool;** hoofsaaklik matkool; kalsiethoudend.	12	—	**Coal;** mainly dull; calcitic.
	N.G.	15	—	N.S.
H	**Steenkool;** hoofsaaklik korrelrige matkool; kalsiethoudend, met baie pirietknolle.	88	—	**Coal;** mainly dull, granular coal, calcitic, with many pyrite nodules.
G	**Steenkool;** hoofsaaklik matkool; kalsiethoudend.	20	—	**Coal;** mainly dull; calcitic.
	N.G.	10	—	N.S.
F	**Steenkool;** hoofsaaklik korrelrige matkool; kalsiet- en piriethoudend.	61	—	**Coal;** mainly dull, granular coal; calcitic and pyritic.
E	**Steenkool,** gemeng, met glanskool by onderent; kalsiethoudend.	12	—	**Coal,** mixed, with bright coal at bottom; calcitic.
D	**Matkool,** kalsiethoudend.	6	—	**Coal,** dull, calcitic.
C	**Steenkool;** hoofsaaklik korrelrige matkool; kalsiet- en piriethoudend; meer glansend na onder.	48	—	**Coal;** mainly dull, granular coal; calcitic and pyritic; brighter towards bottom.
B	**Steenkool,** lae van glanskool en matkool om die beurt; kalsiet- en piriethoudend.	43	—	**Coal,** alternating bands of bright and dull coal; calcitic and pyritic.
A	**Glanskool,** fyngelaag, lyk plek-plek soos smidskool ; kalsiethoudend.	15	829 7	**Coal,** bright and finely banded, smithy-like in parts; calcitic.
	N.G.	12	—	N.S.
O 440	N.G.	15	—	N.S.
C	**Matkool**	30	—	**Coal,** dull.
B	**Steenkool;** hoofsaaklik matkool, met 'n paar skalieagtige en piriethoudende steenkoollae.	40	—	**Coal;** mainly dull, with a few shaly and pyritic coal bands.
A	**Steenkool;** hoofsaaklik matkool.	33	840 5	**Coal;** mainly dull.
O 445	**Steenkool;** afwisselende lae van gemengde steenkool en glanskool; kalsiethoudend, met 'n paar pirietknolle.	57	845 2	**Coal;** alternating bands of mixed and bright coal; calcitic, with a few pyrite nodules.
	Vloer: Sandsteen.			Floor: Sandstone.

BOORGAT 44 : VAN WYKSPAN 1365 : BOREHOLE 44

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Opbrengs Yield %	As Ash %	Opbrengs Yield %	As Ash %	1·45	1·58
O 431 B	14	—	—	—	—	1·3	45·8	29·0	23·9	—	18·3	7·8	31·1	14·6	5	4½
A	34	—	—	—	11·1	2·2	22·3	33·7	41·8	—	60·4	8·4	75·3	11·7	3½	2½
O 432 F	42	—	—	—	—	1·9	41·9	24·3	31·9	—	26·8	8·1	36·9	14·4	2½	2
E	12	—	—	—	10·6	2·5	23·8	31·2	42·5	—	48·9	7·0	71·2	12·8	3½	3
D	15	—	—	—	—	2·1	35·7	27·3	34·9	—	28·0	8·9	48·0	14·4	3½	2½
C	21	—	—	—	10·7	2·5	24·4	30·5	42·6	—	51·0	8·2	67·9	12·4	4½	4
B	15	—	—	—	—	2·3	28·9	29·9	38·9	—	39·5	6·7	55·2	11·1	3½	3
A	50	—	—	—	—	2·1	34·0	27·9	36·0	—	32·1	8·2	51·6	13·4	4	3½
O 433 C	45	—	—	—	10·8	2·2	23·6	32·0	42·2	—	53·0	8·2	74·0	12·4	4½	3½
B	46	—	—	—	10·3	2·2	25·7	30·6	41·5	—	48·0	8·6	69·2	12·7	5	3
A	9	—	—	—	—	2·2	26·9	30·0	40·9	—	48·2	9·2	67·1	13·3	3	2½
O 434 D	24	—	—	—	10·7	2·1	25·6	30·0	42·1	—	52·9	10·5	73·8	15·4	2½	2
C	36	—	—	—	—	1·9	28·1	29·7	40·3	—	47·6	9·5	65·4	13·8	3	2½
B	10	—	—	—	—	2·2	26·6	30·6	40·6	—	50·4	8·3	64·6	12·0	4½	2½
A	37	—	—	—	—	1·8	29·1	31·3	37·8	—	41·8	9·5	63·0	13·7	5	4½
O 435 B	37	—	—	—	11·5	2·2	19·2	33·6	45·0	—	62·8	7·4	79·8	10·8	4	3
A	41	—	—	—	—	1·8	31·3	31·0	35·9	—	36·7	8·5	57·4	13·5	5½	5
O 436 E	26	—	—	—	—	2·1	27·5	30·0	40·4	—	47·1	8·4	61·8	12·2	3½	3
D	20	—	—	—	—	1·7	27·7	32·5	38·1	—	40·5	7·3	59·8	11·5	5	4½
C	36	—	—	—	—	1·7	32·5	31·9	33·9	—	41·0	7·4	52·6	11·5	4	3

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Opbrengs Yield %	As Ash %	Opbrengs Yield %	As Ash %	1·45	1·58
O 436 B	14	—	—	—	11·6	2·1	19·2	34·8	43·9	—	66·4	8·8	81·7	12·1	4	2½
A	13	—	—	—	11·2	2·0	20·4	33·6	44·0	—	64·1	6·1	74·8	8·0	4	3½
O 437 B	14	—	—	—	10·9	1·9	22·4	30·6	45·1	—	57·1	8·1	80·2	15·4	2½	2
A	56	—	—	—	—	2·0	33·2	23·6	41·2	—	10·5	8·3	28·5	15·3	1½	1F
O 438 B	15	—	—	—	—	1·8	36·7	21·2	40·3	—	4·0	—	24·5	16·1	—	1F
A	43	—	—	—	—	2·0	30·9	24·8	42·3	—	19·3	7·3	42·2	11·5	1F	—
O 439 L	36	—	—	—	—	2·0	32·8	20·3	44·9	—	20·1	6·6	37·6	11·5	1½	1F
K	12	—	—	—	—	2·0	36·5	20·0	41·5	—	2·6	—	15·9	17·5	—	1F
J	12	—	—	—	—	2·0	37·0	16·8	43·8	—	2·0	—	14·4	14·7	—	1F
H	91	—	—	—	—	2·0	29·1	21·0	47·9	—	20·1	6·7	49·8	11·2	1F	1F
G	20	—	—	—	—	1·7	24·6	22·2	51·5	—	23·4	7·0	57·7	13·1	1F	1F
F	61	—	—	—	10·6	1·6	22·9	22·3	53·2	—	28·4	7·0	66·4	12·4	1F	1F
E	12	—	—	—	11·9	1·5	16·0	29·2	53·3	—	66·2	5·1	77·8	7·3	1½	1½
D	6	—	—	—	—	1·6	26·2	19·5	52·7	—	8·5	7·7	50·8	15·4	—	1F
C	48	—	—	—	11·7	1·8	16·7	24·5	57·0	—	47·5	6·7	81·7	10·2	1½	1F
B	43	—	—	—	11·8	1·4	17·3	28·8	52·5	—	54·9	4·6	72·7	7·6	2	1½
A	15	—	—	—	14·1	1·7	5·6	38·2	54·5	—	93·6	3·0	96·1	3·3	5	4½
O 440 C	30	—	—	—	10·3	1·8	24·9	20·0	53·3	—	17·2	7·2	59·3	13·7	1F	1F
B	40	—	—	—	10·4	1·7	25·3	22·8	50·2	—	40·0	6·1	58·1	10·0	1F	1F
A	33	—	—	—	12·2	2·0	14·7	26·0	57·3	—	60·3	7·1	87·0	10·2	1	1F
O 445	57	—	—	—	12·8	2·1	11·8	29·1	57·0	—	75·9	5·8	91·2	7·5	2	1½

BOORGAT 45 : ENKELBULT 1361 : BOREHOLE 45

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Grond	2 0	2 0	Soil.
Moddersteen	43 8	45 8	Mudstone.
Skalie, koolstofhoudend, piriethoudend.	2 0	47 8	Shale, carbonaceous, pyritic.
Glanskool, plek-plek met skalieagtige dele; koolstofhoudende skalielae naby onderent; piriet- en kalsiethoudend.	2 8	50 4	**Coal,** bright, shaly portions in places; carbonaceous shale bands near bottom; pyritic and calcitic.
Skalie, koolstofhoudend, vaal en kleiagtig.	5 7	55 11	Shale, carbonaceous, grey and clayey.
Steenkool, gemeng; hoofsaaklik glanskool; kalsiethoudend en plek-plek bruin gevlek.	8	—	**Coal;** mixed, mainly bright; calcitic, and brown stained in parts.
Skalie, koolstofhoudend	6	—	Shale, carbonaceous.
Glanskool, kalsiethoudend ...	1 5	58 6	**Coal,** bright, calcitic.
Skalie, koolstofhoudend, vaal en kleiagtig.	2 9	61 3	Shale, carbonaceous, grey and clayey.
Glanskool, 5 dm. vaal skalie 14 dm. van bo af.	2 4	63 7	**Coal,** bright, 5 in. grey shale 14 in. from top.
Skalie, vaal	9	—	Shale, grey.
Glanskool, korrelrig	6	—	**Coal,** bright, granular.
Skalie, koolstofhoudend, met glanskoolstrepies.	10	—	Shale, carbonaceous, with bright coal stringers.
Glanskool; skalieagtige dele by onderent.	8	—	**Coal,** bright; shaly portions towards bottom.
Skalie, koolstofhoudend, en glanskool, afwisselend.	2 0	—	Shale, carbonaceous, and bright coal, alternating.
Skalie, vaal.	6	—	Shale, grey.
Glanskool, plek-plek met skalieagtige dele.	10	—	**Coal,** bright, shaly portions in parts.
Skalie, koolstofhoudend	3	—	Shale, carbonaceous.
Glanskool, plek-plek met skalieagtige dele.	10	—	**Coal,** bright, shaly portions in parts.
Skalie, koolstofhoudend	4	—	Shale, carbonaceous.
Glanskool, plek-plek met skalieagtige dele.	6	—	**Coal,** bright, shaly portions in parts.
Skalie, vaal	3	—	Shale, grey.
Glanskool, kalsiethoudend ...	1 5	73 3	**Coal,** bright, calcitic.
Skalie, koolstofhoudend	4 7	77 10	Shale, carbonaceous.
Glanskool, gelaag; blyk plek-plek skalieagtige dele te bevat; piriet- en kalsiethoudend.	2 0	—	**Coal,** bright, banded; appears to have shaly portions in parts; pyritic and calcitic.
Skalie, koolstofhoudend	3	—	Shale, carbonaceous.
Glanskool, gelaag; blyk plek-plek skalieagtige dele te bevat; piriet- en kalsiethoudend met koolstofhoudende skalie naby onderent.	5 1	85 2	**Coal,** bright, banded; appears to have shaly portions in parts; pyritic and calcitic with carbonaceous shale bands near bottom.
Skalie, koolstofhoudend, met steenkoolstrepies.	10	—	Shale, carbonaceous, with coal stringers.
Glanskool, kalsiethoudend met 4 dm. koolstofhoudende skalie 7 dm. van bo af.	2 8	—	**Coal,** bright, calcitic, with 4 in. carbonaceous shale 7 in. from top.
Skalie, koolstofhoudend	2	—	Shale, carbonaceous.
Glanskool, kalsiethoudend, met skalieagtige lagies.	11	89 9	**Coal,** bright, calcitic, with shaly bands.
Skalie, koolstofhoudend, met 'n paar steenkoollagies.	1 11	—	Shale, carbonaceous, with a few coal bands.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Glanskool, gelaag, kalsiethoudend; boonste 5 dm. bevat skalieagtige deeltjies.	2	11	94	7	**Coal,** bright, banded, calcitic; top 5 in. contains shaly portions.
Skalie, koolstofhoudend, met 'n paar steenkoollagies.	2	2	96	9	Shale, carbonaceous, with a few coal bands.
Glanskool, kalsiet- en erg piriethoudend; boonste 7 dm. bevat skalieagtige dele; 3 dm. koolstofhoudende skalie met glanskoolstrepies 7 dm. van bo af.	1	2	—		**Coal,** bright, calcitic, very pyritic; top 7 in. contains shaly portions; 3 in. carbonaceous shale with bright coal stringers 7 in. from top.
Steenkool, gemeng		4	—		**Coal,** mixed.
Skalie, koolsotfhoudend, met glanskoolstrepies.		3	—		Shale, carbonaceous, with bright coal stringers.
Glanskool, kalsiethoudend; hoofsaaklik fyngelaagde steenkool.	3	6	102	0	**Coal,** bright, calcitic; mainly finely banded coal.
Skalie, in golfvormige lagies ...		8	102	8	Shale, in wavy layers.
Glanskool, kalsiethoudend; plek-plek met skalieagtige dele; 1½ dm. koolstofhoudende skalie 42 dm. van bo af.	4	7	—		**Coal,** bright, calcitic, shaly portions in places; 1½ in. carbonaceous shale 42 in. from top.
Glanskoollae en skalieagtige steenkoollae afwisselend, met 'n paar koolstofhoudende skalielae.	2	2	109	5	**Coal,** bright bands, and shaly coal bands alternating, with a few carbonaceous shale bands.
Skalie, koolstofhoudend, met 'n paar 2-dm. glanskoollagies ...	3	1	112	6	Shale, carbonaceous, with a few 2-in. bright coal bands.
Glanskool, kalsiethoudend ...	1	4	—		**Coal,** bright, calcitic.
Skalie, koolstofhoudend, en vaal skalie.		6	—		Shale, carbonaceous, and grey shale.
Glanskool, gelaag		4	—		**Coal,** bright, banded.
Skalie, vaal		5	—		Shale, grey.
Glanskool, met skalieagtige, piriethoudende lagies; 1 dm. koolstofhoudende skalie by onderent.	1	4	116	5	**Coal,** bright, with shaly pyritic bands; 1 in. carbonaceous shale at bottom.
Skalie, koolstofhoudend	3	5	119	10	Shale, carbonaceous.
Glanskool, kalsiethoudend, met skalieagtige dele by onderent.		10	—		**Coal,** bright, calcitic, with shaly portions at bottom.
Skalie, koolstofhoudend		4	—		Shale, carbonaceous.
Glanskool, gelaag	2	2	—		**Coal,** bright, banded.
Skalie, koolstofhoudend		1	—		Shale, carbonaceous.
Glanskool, met fusietstrepies ...	1	4	124	7	**Coal,** bright, with stringers fusian.
Skalie, koolstofhoudend, en steenkool.	1	5	126	0	Shale, carbonaceous, and coal.
Glanskool, met dun fusiet- en skalieagtige lagies; piriethoudend by onderent.	1	9	—		**Coal,** bright, with thin fusian and shaly bands; pyritic at bottom.
Skalie, koolstofhoudend		2	—		Shale, carbonaceous.
Glanskool, korrelrig, met siderietkorreltjies.	2	2	130	1	**Coal,** bright, granular, with siderite spots.
Moddersteen, koolstofhoudend, met dun glanskoollagies; piriethoudend en met 'n korrelrige voorkoms.	1	2	—		Mudstone, carbonaceous, with thin bright coal bands; pyritic and with a granular appearance.
Skalie, koolstofhoudend, met 'n 4-dm. glanskoollagie.	7	2	—		Shale, carbonaceous, with a 4-in. bright coal band.
Skalie, koolstofhoudend, en glanskool afwisselend.	1	8	140	1	Shale, carbonaceous, and bright coal alternating.
Glanskool, kalsiethoudend, met baie skalieagtige dele.	1	0	—		**Coal,** bright, calcitic, with many shale bands.

Bg 45 (*Verv.*) B.H. 45 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Skalie, koolstofhoudend, en glanskool; hoofsaaklik skalie en met 'n bietjie korrelrige glanskool.	1 10	—	Shale, carbonaceous, and bright coal; mainly shale and with some granular bright coal.
Glanskool, plek-plek met erg skalieagtige en piriethoudende dele.	1 7	—	**Coal,** bright, very shaly and pyritic portions in places.
Moddersteen, steenkoolhoudend.	6	—	Mudstone, coaly.
Glanskool	5	145 5	**Coal,** bright.
Skalie, koolstofhoudend, met 'n paar glanskoollagies.	2 8	148 1	Shale, carbonaceous, with a few bright coal bands.
Glanskool, gelaag, piriet- en kalsiethoudend.	1 1	—	**Coal,** bright, banded, pyritic and calcitic.
Skalie, koolstofhoudend, vaal skalie, en glanskool.	1 0	—	Shale, carbonaceous, grey shale, and bright coal.
Glanskool, gelaag, piriethoudend.	11	—	**Coal,** bright, banded, pyritic.
Skalie, koolstofhoudend, en vaal skalie; bevat 4 dm. glanskool in middel.	1 6	—	Shale, carbonaceous, and grey shale; contains 4 in. bright coal in middle.
Glanskool, met skalieagtige en koolstofhoudende skalielae; plek-plek piriethoudend.	3 10	—	**Coal,** bright, with shaly and carbonaceous shale bands; pyritic in places.
Skalie, koolstofhoudend, met 'n 2-dm. glanskoollaag in middel.	1 1	—	Shale, carbonaceous, with a 2-in. bright coal band in middle.
Glanskool, met baie skalie veral naby bo-ent.	3 9	—	**Coal,** bright, with much shale, especially near top.
Skalie, koolstofhoudend	2	—	Shale, carbonaceous.
Glanskool, met baie skalie en bevat koolstofhoudende skalielae.	3 5	—	**Coal,** bright, with much shale, and contains carbonaceous shale bands.
Skalie, koolstofhoudend, en glanskool; hoofsaaklik skalie.	3 4	—	Shale, carbonaceous, and bright coal; mainly shale.
Glanskool, kalsiethoudend, en plek-plek met skalieagtige dele; 6 dm. koolstofhoudende skalie met 'n paar glanskoolstrepies 13 dm. van bo af.	2 3	170 5	**Coal,** bright, calcitic and with shaly portions in parts; 6 in. carbonaceous shale with a few bright coal stringers 13 in. from top.
Skalie, koolstofhoudend, en glanskool; hoofsaaklik skalie.	11 7	182 0	Shale, carbonaceous and bright coal; mainly shale.
Glanskool, plek-plek met skalieagtige dele veral naby onderent.	1 6	—	**Coal,** bright, shaly portions in parts, especially near bottom.
Skalie.	7	—	Shale.
Glanskool, met moddersteen veral by onderent.	10	—	**Coal,** bright, with mudstone, especially towards bottom.
Moddersteen, koolstofhoudend.	6	—	Mudstone, carbonaceous.
Glanskool	2	185 7	**Coal,** bright.
Skalie, koolstofhoudend, met 'n paar glanskoollagies.	1 1	186 8	Shale, carbonaceous, with a few bright coal bands.
Glanskool, met baie skalieagtige lagies.	1 5	—	**Coal,** bright, with many shaly bands.
Skalie, koolstofhoudend, en glanskool; hoofsaaklik skalie; piriethoudend by onderent.	2 6	—	Shale, carbonaceous, and bright coal; mainly shale; pyritic at bottom.
Glanskool, met 'n ½-dm. skalieagtige lagie 2 dm. van onder af.	1 0	—	**Coal,** bright, with a ½-in. shaly band 2 in. from the bottom.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Skalie, koolstofhoudend, en glanskool; hoofsaaklik skalie.	2	4	—		Shale, carbonaceous, and bright coal; mainly shale.
Glanskool, hoofsaaklik; piriethoudend.	1	1	194	10	**Coal;** mainly bright; pyritic.
Skalie, koolstofhoudend		10	—		Shale, carbonaceous.
Glanskool, met klein sideriet-klontjies. 2 dm. kern word vermis tussen 186 vt. 8 dm. en 196 vt. 4 dm.		6	196	4	**Coal,** bright, with small siderite pellets. 2 in. core missing between 186 ft. 8 in. and 196 ft. 4 in.
Skalie, koolstofhoudend, met baie 1-dm. tot 3-dm. glans-koollagies wat sideriet bevat.	15	13	211	7	Shale, carbonaceous, with many 1-in. to 3-in. bright coal bands containing siderite.
Glanskool, met sierietklontjies; piriethoudend.		10	212	5	**Coal,** bright, with siderite pellets; pyritic.
Skalie, koolstofhoudend, en piriethoudende glanskool; hoofsaaklik skalie.	4	6	216	11	Shale, carbonaceous, and pyritic bright coal; mainly shaly.
Glanskool, met 'n ½-dm. koolstofhoudende skalielagie 3 dm. van bo af en 'n 2-dm. skalielagie 11 dm. van bo af; siderietklontjies by onderent.	2	1	—		**Coal,** bright, with a ½-in. carbonaceous shale band 3 in. from the top and a 2-in. shale band 11 in. from the top; siderite pellets at bottom.
Skalie, koolstofhoudend, met 'n paar glanskoolstrepies.		6	—		Shale, carbonaceous, with a few bright coal stringers.
Glanskool, met 'n 2-dm. koolstofhoudende skalielaag 11 dm. van bo af; onderste 10 dm. bevat siderietklontjies.	1	6	—		**Coal,** bright, with a 2-in. carbonaceous shale band 11 in. from the top; bottom 10 in. contains siderite pellets.
Skalie, koolstofhoudend, en steenkool.		9	221	9	Shale, carbonaceous, and coal.
Skalie, koolstofhoudend, met enkele dun steenkoollagies.	32	6	254	3	Shale, carbonaceous, with a few thin coal bands.
Glanskool	1	0	—		**Coal,** bright.
Skalie, koolstofhoudend, met 'n bietjie glanskool.	1	1	—		Shale, carbonaceous, with some bright coal.
Glanskool, met skalieagtige en piriethoudende dele by onderent.		9	257	1	**Coal,** bright, with shaly and pyritic portions at bottom.
Skalie, koolstofhoudend, met 'n paar dun steenkoollagies.	21	11	279	0	Shale, carbonaceous, with a few thin coal bands.
Matkool, plek-plek met skalieagtige en kalsiethoudende dele; glanskoolstrepies kom af en toe voor.	2	1	—		**Coal,** dull; shaly and calcitic portions in parts; an occasional bright coal stringer appears.
Matkool, skalieagtig, met glans-koollagies, afwisselend met kalsiethoudende glanskool; plek-plek piriethoudend.	2	6	—		**Coal,** dull and shaly, with bright coal bands, alternating with calcitic bright coal; pyritic in parts.
Matkool, skalieagtig, met 'n bietjie glanskool en 'n 2-dm. koolstofhoudende skalielaag 11 dm. van bo af.	2	5	—		**Coal,** dull and shaly, with some bright coal and a 2-in. carbonaceous shale band 11 in. from top.
Glanskool, met skalieagtige lae en 'n ½-dm. pirietlagie 7 dm. van bo af.	2	4	288	4	**Coal,** bright, with shaly bands and a ½-in. pyrites band 7 in. from top.
Skalie, koolstofhoudend, met 'n 'n bietjie steenkool.	5	0	293	4	Shale, carbonaceous, with a little coal.
Skalie, steenkoolagtig	1	7	—		Shale, coaly.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Skalie, koolstofhoudend, en steenkool; hoofsaaklik skalie.	1 1	—	Shale, carbonaceous, and coal; mainly shale.
Skalie, steenkoolagtig	1 5	—	Shale, coaly.
Skalie, koolstofhoudend	1 4	—	Shale, carbonaceous.
Matkool, skalieagtig	1 5	—	Coal, dull, shaly.
Skalie, koolstofhoudend, en skalieagtige matkool, met 'n bietjie glanskool.	5 11	—	Shale, carbonaceous, and dull shaly coal, with a little bright coal.
Sandsteen, baie fynkorrelrig, en skalie.	3 9	309 10	Sandstone, very fine-grained, and shaly.
Steenkool; hoofsaaklik matkool; piriethoudend, met 2 dm. hoofsaaklik glanskool by onderent; baie klein sideriet-klontjies is teenwoordig.	2 3	—	**Coal;** mainly dull coal; pyritic, with 2 in. mainly bright coal at bottom; numerous minute siderite pellets are present.
Skalie, steenkoolagtig	5	—	Shale, coaly.
Steenkool; hoofsaaklik matkool; erg piriethoudend en glansend.	2 2	314 8	**Coal;** mainly dull coal; very pyritic and lustrous.
Skalie	10 7	325 3	Shale.
Skalie, koolstofhoudend	1	325 4	Shale, carbonaceous.
Steenkool; hoofsaaklik matkool, met 1 dm. hoofsaaklik glanskool by bo-ent; glyvlakke teenwoordig.	1 2	—	**Coal;** mainly dull coal, with 1 in. mainly bright coal at top; slip plane present.
Skalie, koolstofhoudend, en steenkool; hoofsaaklik skalie.	1 1	—	Shale, carbonaceous, and coal; mainly shale.
Steenkool; hoofsaaklik matkool, met 'n paar klein piriet-knolle in middel.	3 1	—	**Coal;** mainly dull coal, with a few small pyrites nodules in middle.
Skalie, koolstofhoudend	1	—	Shale, carbonaceous.
Steenkool, gemeng; hoofsaaklik matkool.	3 5	—	**Coal,** mixed; mainly dull coal.
Pirietlaag	2	—	Pyrites band.
Steenkool, gemeng	8	—	**Coal,** mixed.
Skalie, koolstofhoudend, met glanskoolstrepies.	4		Shale, carbonaceous, with bright coal stringers.
Steenkool; hoofsaaklik kalsiet-houdende matkool; meer glansend na onder.	2 0	—	**Coal;** mainly dull, calcitic coal; brighter towards bottom.
Skalie, koolstofhoudend	1	—	Shale, carbonaceous.
Steenkool, gemeng; hoofsaaklik matkool; onderste helfte bevat twee ½-dm. koolstof-houdende skalielagies 24 dm. van onder af.	5 4	—	**Coal,** mixed, mainly dull coal; bottom half contains two ½-in. carbonaceous shale bands 24 in. from bottom.
Piriet	2	—	Pyrites.
Steenkool, gemeng; hoofsaaklik kalsiethoudende matkool.	10	—	**Coal,** mixed; mainly dull calcitic coal.
Steenkool, erg piriethoudend ...	1	—	**Coal,** very pyritic.
Matkool, met 'n bietjie glanskool by onderent (kern gebreek).	2 5	—	**Coal,** dull, with a little bright coal at bottom (core broken).
Steenkool; lae van matkool en gemengde steenkool om die beurt (kern gebreek).	4 0	—	**Coal;** alternating bands of dull and mixed coal (core broken).
Steenkool, gemeng; hoofsaaklik gestreepte glanskool in boonste 12 dm.; onderste 7 dm. gestreepte glanskool; piriethoudend.	1 7	351 10	**Coal,** mixed; mainly bright banded coal in top 12 in.; bottom 7 in. bright banded; pyritic.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Pirietlaag		1	—		Pyrites.
Sandsteen, fynkorrelrig, vaal, gelaag, mikadraend, met 'n paar koolstofhoudende lagies.	11	0	362	11	Sandstone, fine-grained, grey, laminated, micaceous, with a few carbonaceous bands.
Glanskool en matkool; 'n ¼-dm. skalielagie 4 dm. van bo af en 'n 2-dm. skalieagtige laag 2 dm. van onder af.	1	0	—		**Coal,** bright and dull; a ¼-in. shale band 4 in. from top and a 2-in. shaly band 2 in. from bottom.
Skalie, sanderig, piriethoudend.		3	—		Shale, sandy, pyritic.
Skalie, koolstofhoudend, en skalieagtige steenkool.		8	—		Shale, carbonaceous, and shaly coal.
Matkool, met 'n bietjie glanskool; 'n 2-dm. piriethoudende laag 7 dm. van onder af.	3	4	—		**Coal,** dull, with a little bright coal; a 2-in. pyritic band 7 in. from bottom.
Steenkool, gemeng, met 'n kalsiethoudende vuil voorkoms.		5	—		**Coal,** mixed, with a calcitic dirty appearance.
Matkool, plek - plek met 'n skalieagtige voorkoms.		6	—		**Coal,** dull, with a shaly appearance in parts.
Steenkool, gemeng, met 'n 1-dm. piriethoudende lagie 5 dm. van bo af.		10	—		**Coal,** mixed, with a 1-in. pyritic band 5 in. from top.
Matkool en gemengde, hoofsaaklik matkool, afwisselend.	3	4	—		**Coal;** dull, and mixed, mainly dull coal, alternating.
Steenkool, korrelrig, kalsiet- en piriethoudend.		4	—		**Coal,** granular, calcitic and pyritic.
Matkool, gemengde steenkool en glanskool; hoofsaaklik matkool; 'n 2-dm. kubus van piriet 20 dm. van bo af.	3	2	—		**Coal;** dull, mixed and bright coal; mainly dull coal; a 2-in. cube of pyrites 20 in. from top.
Sandsteen, gelaag, skalieagtig ...	2	2	—		Sandstone, laminated, shaly.
Steenkool, gemeng, kalsiethoudend.		8	379	7	**Coal,** mixed, calcitic.
Sandsteen	41	10	421	5	Sandstone.
Matkool, met 'n bietjie gemengde steenkool (kern erg gebreek).	2	5	—		**Coal,** dull, with a little mixed coal (core badly broken).
Steenkool, erg piriethoudend ...		2	—		**Coal,** very pyritic.
Matkool, met 'n bietjie glanskool naby onderent.	1	6	—		**Coal,** dull, with a little bright coal near bottom.
Steenkool, korrelrig, effens piriethoudend; kalsiethoudend.		4	—		**Coal,** granular, slightly pyritic; calcitic.
Matkool, en gemengde steenkool om die beurt.	1	6	—		**Coal;** dull and mixed coal, alternating.
Steenkool, skalieagtig		1½	—		**Coal,** shaly.
Steenkool, fyngelaag, met 'n dowwerige glans.		1½	427	8	**Coal,** finely banded, with a dullish lustre.
Skalie		4	—		Shale.
Sandsteen	23	6	—		Sandstone.
Skalie, met sandsteenlagies ...	22	3	473	9	Shale, with sandstone bands.

BOORGAT 45 : ENKELBULT 1361 : BOREHOLE 45

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
	N.G.	24	47 8	N.S.
O 478	**Glanskool,** plek-plek met skalieagtige dele; koolstofhoudende skalielae naby onderent; piriet- en kalsiethoudend.	32	50 4	**Coal,** bright, shaly portions in places; carbonaceous shale bands near bottom; pyritic and calcitic.
O 479	N.G.	65	55 11	N.S.
B	**Steenkool,** gemeng; hoofsaaklik glanskool; kalsiethoudend en plek-plek bruin gevlek.	8	—	**Coal;** mixed, mainly bright; calcitic, and brown-stained in parts.
	N.G.	6	—	N.S.
A	**Glanskool,** kalsiethoudend.	17	58 6	**Coal,** bright, calcitic.
O 480	N.G.	33	61 3	N.S.
C	**Glanskool,** 5 dm. vaal skalie 14 dm. van bo af uitgesluit.	28	63 7	**Coal,** bright, 5 in. grey shale 14 in. from top excluded.
	N.G.	9	—	N.S.
	N.G.	6	—	N.S.
	N.G.	10	—	N.S.
	N.G.	8	—	N.S.
	N.G.	24	—	N.S.
	N.G.	6	—	N.S.
B	**Glanskool,** plek-plek met skalieagtige dele.	10	—	**Coal,** bright, with shaly portions in parts.
	N.G.	3	—	N.S.
	Glanskool, plek-plek met skalieagtige dele.	10	—	**Coal,** bright, with shaly portions in parts.
	N.G.	4	—	N.S.
	Glanskool, plek-plek met skalieagtige dele.	6	—	**Coal,** bright, with shaly portions in parts.
	N.G.	3	—	N.S.
A	**Glanskool,** kalsiethoudend.	17	73 3	**Coal,** bright, calcitic.
O 481	N.G.	55	77 10	N.S.
B	**Glanskool,** gelaag; blyk plek-plek skalieagtige dele te bevat; piriet- en kalsiethoudend.	24	—	**Coal,** bright, banded; appears to have shaly portions in parts; pyritic and calcitic.
	N.G.	3	—	N.S.
A	**Glanskool,** gelaag; blyk plek-plek skalieagtige dele te bevat; piriet- en kalsiethoudend, met koolstofhoudende skalieagies naby onderent.	61	85 2	**Coal,** bright, banded; appears to have shaly portions in parts; pyritic and calcitic, with carbonaceous shale bands near bottom.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth		Nature of strata
		Dm. *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
O 482	N.G.	10	86	0	N.S.
B	**Glanskool,** kalsiethoudend, met 4 dm. koolstofhoudende skalie 7 dm. van bo af uitgesluit.	32	—		**Coal,** bright, calcitic, with 4 in. carbonaceous shale 7 in. from top excluded.
	N.G.	2	—		N.S.
A	**Glanskool,** kalsiethoudend, met skalieagtige lagies.	11	89	9	**Coal,** bright, calcitic, with shaly bands.
O 483	N.G.	23	91	8	N.S.
	Glanskool, gelaag, kalsiethoudend; boonste 5 dm. bevat skalieagtige deeltjies.	35	94	7	**Coal,** bright, banded, calcitic; top 5 in. contains shaly portions.
O 484	N.G.	26	96	9	N.S.
C	**Glanskool,** kalsiet- en erg piriethoudend; boonste 7 dm. bevat skalieagtige dele; 3 dm. koolstofhoudende skalie met glanskoollagies 7 dm. van bo af uitgesluit.	14	—		**Coal,** bright, calcitic, very pyritic; top 7 in. contains shaly portions; 3 in. carbonaceous shale with bright coal stringers 7 in. from top excluded.
B	**Steenkool,** gemeng ...	4	—		**Coal,** mixed.
	N.G.	3	—		N.S.
A	**Glanskool,** kalsiethoudend; hoofsaaklik fyngelaagde steenkool	42	102	0	**Coal,** bright, calcitic; mainly finely banded coal.
O 485	N.G.	8	102	8	N.S.
B	**Glanskool,** kalsiethoudend, plek-plek met skalieagtige dele; 1½ dm. koolstofhoudende skalie 42 dm. van bo af uitgesluit.	55	—		**Coal,** bright, calcitic, with shaly portions in places; 1½ in. carbonaceous shale 42 in. from top excluded.
A	**Glanskoollae** en skalieagtige steenkoollae afwisselend, met 'n paar koolstofhoudende skalielae.	26	109	5	**Coal,** bright bands, and shaly bands alternating, with a few carbonaceous shale bands.
O 486	N.G.	37	112	6	N.S.
C	**Glanskool,** kalsiethoudend.	16	—		**Coal,** bright, calcitic.
	N.G.	6	—		N.S.
B	**Glanskool,** gelaag ...	4	—		**Coal,** bright, banded.
	N.G.	5	—		N.S.
A	**Glanskool,** met skalieagtige piriethoudende lagies; 1 dm. koolstofhoudende skalie by onderent uitgesluit.	16	116	5	**Coal,** bright, with shaly pyritic bands; 1 in. carbonaceous shale at bottom excluded.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. In.	*Vt. Dm. Ft. In.*	
O 487	N.G.	41	119 10	N.S.
C	Glanskool, kalsiethoudend, met skalieagtige dele by onderent.	10	—	Coal, bright, calcitic, with shaly portions at bottom.
	N.G.	4	—	N.S.
B	Glanskool, gelaag ...	26	—	Coal, bright, banded.
	N.G.	1	—	N.S.
A	Glanskool, met fusietstrepies.	16	124 7	Coal, bright, with stringers of fusian.
O 488	N.G.	17	126 0	N.S.
B	Glanskool, met dun fusiet- en skalieagtige lagies; piriethoudend by onderent.	21	—	Coal, bright, with thin fusian and shaly bands; pyritic at bottom.
	N.G.	2	—	N.S.
A	Glanskool, korrelrig met siderietkorreltjies.	26	130 1	Coal, bright, granular, with fine siderite spots.
O 489	N.G.	20	140 1	N.S.
C	Glanskool, kalsiethoudend, met baie skalieagtige dele oor die algemeen.	12		Coal, bright, calcitic, with many shale bands on the whole.
	N.G.	22	—	N.S.
B	Glanskool, plek-plek met erg skalieagtige en piriethoudende dele.	19	—	Coal, bright, very shaly and pyritic portions in places.
	N.G.	6	—	N.S.
A	Glanskool	5	145 5	Coal, bright.
O 490	N.G.	32	148 1	N.S.
F	Glanskool, gelaag, piriet- en kalsiethoudend.	13	—	Coal, bright, banded, pyritic and calcitic.
	N.G.	12	—	N.S.
E	Glanskool, gelaag, piriethoudend.	11	—	Coal, bright, banded, pyritic.
	N.G.	18	—	N.S.
D	Glanskool, met skalieagtige en koolstofhoudende skalielae; plek-plek piriethoudend.	46	—	Coal, bright, with shaly and carbonaceous shale bands; pyritic in places.
	N.G.	13	—	N.S.
C	Glanskool, met baie skalie veral naby bo-ent.	45	—	Coal, bright, with much shale, especially near top.
	N.G.	2	—	N.S.
B	Glanskool, met baie skalie en bevat koolstofhoudende skalielae.	41	—	Coal, bright, with much shale, and contains carbonaceous shale bands.
	N.G.	40	—	N.S.

Bg. 45 (*Verv.*) B.H. 45 (*Contd.*)

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
O A	**Glanskool,** kalsiethoudend, en plek-plek met skalieagtige dele; 6 dm. koolstofhoudende skalie met ’n paar glanskoolstrepies, 13 dm. van bo af uitgesluit.	27	170 5	**Coal,** bright, calcitic, and with shaly portions in parts; 6 in. carbonaceous shale with a few stringers of bright coal, 13 in. from top excluded.
O 491	N.G.	139	182 0	N.S.
B	**Glanskool,** plek-plek met skalieagtige dele veral naby onderent.	18	—	**Coal,** bright, with shaly portions in parts, especially near bottom.
	N.G.	7	—	N.S.
A	**Glanskool,** met moddersteen veral by onderent.	10	—	**Coal,** bright, with mudstone, especially towards bottom.
O 503	N.G.	13	186 8	N.S.
C	**Glanskool,** met baie skalieagtige lagies.	17	—	**Coal,** bright, with many shaly bands.
	N.G.	30	—	N.S.
B	**Glanskool,** met ’n ½-dm. skalieagtige lagie 2 dm. van onder af.	12	—	**Coal,** bright, with a ½-in. shaly band 2 in. from the bottom.
	N.G.	28	—	N.S.
A	**Glanskool,** hoofsaaklik; piriethoudend.	13	194 10	**Coal,** mainly bright; pyritic.
O 504	N.G.	183	211 7	N.S.
	Glanskool, met siderietklontjies; piriethoudend.	10	—	**Coal,** bright, with siderite pellets; pyritic.
O 505	N.G.	54	216 11	N.S.
A	**Glanskool,** met ’n ½-dm. koolstofhoudende skalielaag 3 dm. van af en ’n 2-dm. skalielaag 11 dm. van bo af; siderietklontjies by onderent.	25	—	**Coal,** bright, with a ½-in. carbonaceous shale band 3 in. from the top and a 2-in. shale band 11 in. from the top; siderite pellets at bottom.
	N.G.	6	—	N.S.
	Glanskool, met ’n 2-dm. koolstofhoudende skalielaag 11 dm. van af uitgesluit; onderste 10 dm. bevat siderietklontjies.	18	221 0	**Coal,** bright, with a 2-in. carbonaceous shale band, 11 in. from top excluded; bottom 10 in. contains siderite pellets.
O 506	N.G.	390	254 3	N.S.
B	**Glanskool**	12	—	**Coal,** bright.
	N.G.	13	—	N.S.

No. van B.N.I.-monster F.R.I. sample no.		Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth		Nature of strata
			Dm. *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
O	A	**Glanskool,** met skalieagtige en piriethoudende dele by onderent.	9	257	1	**Coal,** bright, with shaly and pyritic portions at bottom.
O	507	N.G.	263	279	0	N.S.
	D	**Matkool,** plek-plek met skalieagtige en koolstofhoudende dele; glanskoolstrepies kom af en toe voor.	25	—		**Coal,** dull, with shaly and calcitic portions in parts; an occasional bright coal stringer appears.
	C	**Matkool,** skalieagtig, met glanskoollagies, afwisselend met kalsiethoudende glanskool; plek-plek piriethoudend.	30	—		**Coal,** dull and shaly, with bright coal bands, alternating with bright calcitic coal ; pyritic in parts.
	B	**Matkool,** skalieagtig, met 'n bietjie glanskool en 'n 2-dm. koolstofhoudende skalielaag 11 dm. van bo af uitgesluit.	29	—		**Coal,** dull and shaly, with some bright coal and a 2-in. carbonaceous shale band 11 in. from the top excluded.
	A	**Glanskool,** met skalieagtige lae en 'n ½-dm. pirietlagie 7 dm. van bo af.	28	288	4	**Coal,** bright, with shaly bands and a ½-in. pyrites band 7 in. from top.
O	508	N.G.	45	309	10	N.S.
	B	**Steenkool;** hoofsaaklik matkool; piriethoudend, met 2 dm. hoofsaaklik glanskool by onderent; baie klein siderietklontjies is teenwoordig.	27	—		**Coal;** mainly dull; pyritic, with 2 in. mainly bright coal at bottom; numerous minute siderite pellets are present.
		N.G.	5	—		N.S.
	A	**Steenkool;** hoofsaaklik matkool; erg piriethoudend en glansend.	26	314	8	**Coal;** mainly dull; very pyritic and lustrous.
O	509	N.G.	1	325	4	N.S.
	J	**Steenkool;** hoofsaaklik matkool, met 1 dm. hoofsaaklik glanskool by bo-ent; glyvlak verskyn.	14	—		**Coal;** mainly dull, with 1 in. mainly bright coal at top; slip plane appears.
		N.G.	13	—		N.S.
	H	**Steenkool;** hoofsaaklik matkool, met 'n paar klein pirietknolle in middel.	37	—		**Coal;** mainly dull, with a few small pyrites nodules in middle.
		N.G.	1	—		N.S.
	G	**Steenkool,** gemeng; hoofsaaklik matkool.	41	—		**Coal,** mixed; mainly dull.
		N.G.	2	—		N.S.
	F	**Steenkool,** gemeng ...	8	—		**Coal,** mixed.
		N.G.	4	—		N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
E	**Steenkool;** hoofsaaklik kalsiethoudende matkool; meer glansend na onder.	24	—	**Coal;** mainly dull and calcitic; brighter towards bottom.
	N.G.	1	—	N.S.
D	**Steenkool, gemeng;** hoofsaaklik matkool; onderste helfte bevat twee ¼-dm. koolstofhoudende skalielagies 24 dm. van onder af.	64	342 9	**Coal, mixed,** mainly dull; bottom half contains two ¼-in. carbonaceous shale bands 24 in. from bottom.
	N.G.	2	—	N.S.
	Steenkool, gemeng; hoofsaaklik kalsiethoudende matkool.	10	—	**Coal, mixed;** mainly dull and calcitic.
	N.G.	1	—	N.S.
C	**Matkool,** met 'n bietjie glanskool by onderent (kern gebreek).	29	—	**Coal, dull,** with a little bright coal at bottom (core broken).
B	**Steenkool;** lae van matkool en gemengdesteenkool om die beurt (kern gebreek).	48	—	**Coal;** alternating bands of dull and mixed coal (core broken).
A	**Steenkool, gemeng;** hoofsaaklik gestreepte glanskool in boonste 12 dm.; onderste 7 dm. gestreepte glanskool; piriethoudend.	19	351 10	**Coal, mixed;** mainly bright banded in top 12 in.; bottom 7 in. bright banded; pyritic.
O 510	N.G.	132	362 11	N.S.
H	**Glanskool en matkool;** 'n ¼-dm. skalielaag 4 dm. van bo af en 'n 2-dm. skalieagtige laag 2 dm. van onder af.	12	—	**Coal,** bright and dull; a ¼-in. shale band 4 in. from top and a 2-in. shaly band 2 in. from bottom.
	N.G.	3	—	N.S.
	N.G.	8	—	N.S.
G	**Matkool,** met 'n bietjie glanskool; 'n 2-dm. piriethoudende laag 7 dm. van onder af uitgesluit.	40	—	**Coal, dull,** with a little bright coal; a 2-in. pyritic band, 7 in. from bottom excluded.
F	**Steenkool, gemeng,** met 'n kalsiethoudende, vuil voorkoms.	5	—	**Coal, mixed,** with a calcitic, dirty appearance.
	Matkool, plek-plek met 'n skalieagtige voorkoms.	6	—	**Coal, dull,** with a shaly appearance in parts.
E	**Steenkool, gemeng,** met 'n 1-dm. piriethoudende laag 5 dm. van bo af uitgesluit.	10	—	**Coal, mixed,** with a 1-in. pyritic band 5 in. from top excluded.
D	**Matkool,** en gemengde, hoofsaaklik matkool, afwisselend.	40	—	**Coal, dull,** and mainly dull coal, alternating.
C	**Steenkool,** korrelrig, kalsiet- en piriethoudend.	4	—	**Coal,** granular, calcitic and pyritic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
B	**Matkool,** gemengde steenkool en glanskool; hoofsaaklik matkool; 'n 2-dm. kubus van piriet 20 dm. van bo af uitgesluit.	38	—	**Coal,** dull, mixed, and bright; mainly dull; a 2-in. cube of pyrites 20 in. from top excluded.
	N.G.	26	—	N.S.
A	**Steenkool,** gemeng, kalsiethoudend.	8	379 7	**Coal,** mixed, calcitic.
O 511	N.G.	502	421 5	N.S.
E	**Matkool,** met 'n bietjie gemengde steenkool (kern erg gebreek).	29	—	**Coal,** dull, with a little mixed coal (core badly broken).
	N.G.	2	—	N.S.
D	**Matkool,** met 'n bietjie glanskool naby onderent.	18	—	**Coal,** dull, with a little bright coal near bottom.
C	**Steenkool,** korrelrig, effens piriethoudend, kalsiethoudend.	4	—	**Coal,** granular, slightly pyritic, calcitic.
B	**Matkool** en gemengde steenkool om die beurt.	18	—	**Coal,** dull, and mixed coal, alternating.
	N.G.	1½	—	N.S.
A	**Steenkool,** fyngelaag, met 'n dowwerige glans.	1½	427 8	**Coal,** finely banded, with a dullish lustre.

BOORGAT 45 : ENKELBULT 1361 : BOREHOLE 45

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (–16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (–16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
O 478	32	—	—	—	—	1·9	26·8	34·2	37·1	—	51·8	9·7	67·8	13·5	5	3½
O 479 B	8	—	—	—	—	1·8	32·8	31·3	34·1	—	32·9	8·8	49·5	15·7	4	2½
A	17	—	—	—	11·1	2·6	19·9	33·9	43·6	—	62·0	7·5	81·3	12·6	2½	2
O 480 C	23	—	—	—	—	2·1	25·4	32·6	39·8	—	49·3	10·0	74·0	16·8	3½	2½
B	26	—	—	—	—	2·2	25·2	31·3	41·3	—	50·4	10·3	74·3	16·5	2½	2
A	17	—	—	—	10·8	2·3	21·8	33·3	42·6	—	60·8	9·7	82·3	14·6	4½	2
O 481 B	24	—	—	—	—	1·8	35·9	28·0	34·3	—	29·1	9·9	48·1	16·5	3	2
A	61	—	—	—	—	1·9	38·7	25·8	33·6	—	32·0	8·0	44·6	12·7	1½	1
O 482 B	28	—	—	—	10·8	2·4	22·0	31·4	44·2	—	59·6	7·5	75·4	11·7	2½	1½
A	11	—	—	—	—	2·1	32·7	27·3	37·9	—	36·4	9·9	56·5	13·4	2½	1½
O 483	35	—	—	—	10·8	2·3	20·7	33·3	43·7	—	64·1	8·5	80·8	12·0	4	2½
O 484 C	11	—	—	—	—	1·9	34·0	28·5	35·6	—	35·5	9·4	56·5	16·3	3½	2½
B	4	—	—	—	—	1·9	36·3	26·5	35·3	—	27·1	8·2	46·7	15·1	2½	2½
A	42	—	—	—	11·1	2·4	20·9	32·7	44·0	—	59·1	8·3	78·5	12·6	3½	2½
O 485 B	53½	—	—	—	11·5	2·3	18·1	34·6	45·0	—	70·1	7·5	81·6	9·8	4	1½
A	26	—	—	—	—	2·1	27·2	32·5	38·2	—	50·8	8·5	65·0	11·8	3	1
O 486 C	16	—	—	—	11·9	2·6	15·2	33·9	48·3	—	70·3	5·9	85·4	9·0	5	2
B	4	—	—	—	10·7	2·3	22·9	31·8	43·0	—	53·1	8·5	74·7	13·5	2	1
A	15	—	—	—	11·4	2·4	17·5	35·0	45·1	—	66·9	5·9	80·8	9·4	4	2
O 487 C	10	—	—	—	10·9	2·2	22·7	31·5	43·6	—	58·3	9·4	78·3	14·0	2½	1
B	26	—	—	—	11·6	2·2	18·0	33·9	45·9	—	69·7	10·2	89·2	13·9	2½	2
A	16	—	—	—	11·6	2·3	18·1	34·7	44·7	—	68·0	8·9	86·5	13·3	4½	2½

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	Dryfsel Float 1·45	Dryfsel Float 1·58
O 488 B	21	—	—	—	11·0	2·2	22·1	32·3	43·4	—	61·1	9·3	79·3	13·8	3½	2½
A	26	—	—	—	—	2·1	28·5	32·0	37·4	—	45·9	9·4	62·4	15·7	4	3
O 489 C	12	—	—	—	—	1·8	38·2	26·7	33·3	—	28·4	7·6	39·7	13·6	3½	2½
B	19	—	—	—	—	2·0	35·2	27·7	35·1	—	33·4	8·2	48·2	14·9	4	2½
A	5	—	—	—	—	2·0	32·9	29·6	35·5	—	46·7	8·8	58·4	13·0	3½	2
O 490 F	13	—	—	—	11·3	2·3	19·2	33·0	45·5	—	61·0	9·5	83·3	13·8	4½	2
E	11	—	—	—	10·8	2·5	21·9	33·7	41·9	—	59·3	9·5	74·5	11·5	4½	2½
D	46	—	—	—	—	2·2	31·0	27·3	39·5	—	37·2	7·9	53·8	13·7	3½	2½
C	45	—	—	—	—	1·8	32·7	27·6	37·9	—	33·8	9·5	54·3	15·3	3½	2
B	41	—	—	—	—	2·0	33·1	27·2	37·7	—	40·3	7·3	51·0	11·8	2	1½
A	21	—	—	—	10·8	2·2	22·4	32·4	43·0	—	61·5	7·6	75·0	11·8	4	3
O 491 B	18	—	—	—	10·6	2·4	24·5	31·6	41·5	—	50·7	8·1	70·0	12·8	5	3
A	10	—	—	—	—	2·1	28·0	34·8	35·1	—	43·6	6·1	56·7	10·0	4½	3
O 503 C	17	—	—	—	—	1·7	27·5	29·6	41·2	—	50·3	7·5	63·4	11·6	3½	3
B	12	—	—	—	—	1·7	26·5	31·1	40·7	—	44·7	8·8	67·2	15·3	4	3½
A	13	—	—	—	10·8	1·9	23·4	31·4	43·3	—	51·8	8·2	72·4	13·4	4½	2½
O 504	10	—	—	—	11·6	2·1	18·2	37·2	42·5	—	72·1	5·6	79·3	7·8	4	2½
O 505 B	25	—	—	—	10·6	2·2	23·4	31·4	43·0	—	58·9	6·5	69·2	9·1	4	3½
A	16	—	—	—	11·1	2·0	19·7	35·0	43·3	—	66·1	5·7	76·5	8·6	4	3½
O 506 B	12	—	—	—	12·4	2·1	14·2	34·1	49·6	—	81·1	7·2	85·1	8·6	4	4
A	9	—	—	—	11·8	1·9	17·4	33·3	47·4	—	69·4	8·6	85·3	11·6	4	3½
O 507 D	25	—	—	—	—	2·0	31·9	22·1	44·0	—	—	—	—	—	—	—
C	30	—	—	—	—	2·0	28·0	24·4	45·6	—	29·3	8·3	52·4	12·1	1	1
B	27	—	—	—	—	1·8	30·7	23·7	43·8	—	19·1	8·0	46·9	14·0	1½	1

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
O 507 A	28	—	—	—	11·2	1·8	20·6	30·9	46·7	—	61·4	4·5	70·4	6·9	4½	3
O 508 B	27	—	—	—	—	2·1	34·9	22·4	40·6	—	—	—	—	—	—	—
A	26	—	—	—	—	2·1	33·1	21·6	43·2	—	—	—	—	—	—	—
O 509 J	14	—	—	—	—	1·9	39·8	18·3	40·0	—	—	—	—	—	—	—
H	37	—	—	—	11·3	2·8	18·0	21·7	57·5	—	48·5	5·2	68·5	8·4	1P	—
G	41	—	—	—	12·0	2·9	14·0	23·1	60·0	—	62·7	5·0	84·5	7·6	1P	—
F	8	—	—	—	10·7	2·1	23·2	23·1	51·6	—	44·8	6·5	62·2	9·8	1	1
E	24	—	—	—	10·5	2·4	23·6	20·0	54·0	—	22·6	7·4	58·4	12·9	1F	—
D	74	—	—	—	10·6	2·4	22·3	21·8	53·5	—	34·5	6·4	64·4	11·5	1F	—
C	29	—	—	—	10·0	2·3	25·9	19·8	52·0	—	14·2	7·1	52·0	13·3	1F	—
B	48	—	—	—	12·3	2·5	14·8	23·0	59·7	—	56·3	5·2	80·7	8·6	1F	—
A	19	—	—	—	13·4	2·5	8·6	29·9	59·0	—	85·1	3·5	91·1	4·7	2	1½
O 510 H	12	—	—	—	—	1·9	33·1	20·4	44·6	—	—	—	—	—	—	—
G	38	—	—	—	11·8	2·4	16·1	21·3	60·2	—	38·9	7·5	85·4	12·6	1F	—
F	11	—	—	—	10·9	2·4	20·2	24·4	53·0	—	55·2	4·6	66·7	7·4	1	1
E	9	—	—	—	11·9	2·2	14·6	26·8	56·4	—	70·6	6·0	85·4	8·8	1½	1
D	40	—	—	—	11·6	2·5	17·4	21·7	58·4	—	41·7	7·2	79·1	11·5	1F	—
C	4	—	—	—	—	1·6	24·1	35·7	38·6	—	36·0	5·7	46·9	9·0	2	1½
B	38	—	—	—	12·7	2·3	11·7	26·8	59·2	—	69·2	6·5	93·2	9·1	1	1F
A	8	—	—	—	12·2	2·4	14·4	26·5	56·7	—	72·0	7·5	90·0	9·9	1	1
O 511 E	29	—	—	—	12·0	2·4	14·9	20·3	62·4	—	45·4	6·2	84·5	10·8	1	1F
D	18	—	—	—	11·8	2·5	16·3	20·3	60·9	—	37·7	7·4	83·1	12·1	1F	—
C	4	—	—	—	10·1	1·8	19·6	32·8	45·8	—	41·5	6·7	53·8	8·3	1½	1
B	18	—	—	—	11·2	2·1	19·3	24·3	54·3	—	41·2	7·4	72·8	12·3	1	1
A	1½	—	—	—	—	1·7	23·5	33·8	41·0	—	61·4	13·7	80·8	17·1	3	2

BOORGAT 46 : TURFVLAKTE 1358 : BOREHOLE 46

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Grond	3	6	—		Soil.
Gruis	2	0	—		Gravel.
Moddersteen	50	2	55	8	Mudstone.
Steenkool, gemeng, skalieagtig, piriet- en kalsiethoudend.	1	2	—		**Coal,** mixed, shaly, pyritic and calcitic.
Skalie, koolstofhoudend, met steenkoollagies.	6	1	62	11	Shale, carbonaceous, with coal bands.
Glanskool, fyngelaag, 1½ dm. piriet by bo-ent.	1	4	64	3	**Coal,** bright, finely banded, 1½ in. pyrite at top.
Skalie, koolstofhoudend, met steenkoollagies.	7	7	71	10	Shale, carbonaceous, with coal bands.
Steenkool, gemeng; hoofsaaklik glanskool; kalsiethoudend, met 'n 1-dm. skalielaag.	1	0	72	10	**Coal,** mixed, mainly bright; calcitic, with a 1-in. shale band.
Skalie, koolstofhoudend, met steenkoollagies.	1	6	74	4	Shale, carbonaceous, with coal bands.
Glanskool, met skalielagies; piriethoudend.		9	—		**Coal,** bright, with shale bands; pyritic.
Skalie, koolstofhoudend		4	—		Shale, carbonaceous.
Glanskool, fyngelaag		11	—		**Coal,** bright, finely banded.
Skalie, koolstofhoudend, met glanskoolstrepies in middel.	1	0	—		Shale, carbonaceous, with bright coal stringers in middle.
Glanskool, gelaag, lyk soos smidskool.	1	4	—		**Coal,** bright, banded, smithy-like in appearance.
Skalie, steenkoolagtig		2	78	10	Shale, coaly.
Skalie, koolstofhoudend	3	6	—		Shale, carbonaceous.
Skalie, koolstofhoudend, steenkoolagtige skalie, skalieagtige steenkool en glanskoollagies.	9	3	91	7	Shale, carbonaceous, coaly shale, shaly coal and bright coal bands.
Glanskool, fyngelaag, piriet- en kalsiethoudend, wit gevlek (B.N.I.), met skaliestrepies.	1	7	—		**Coal,** bright, finely banded, pyritic and calcitic, white stained (F.R.I.), with shale stringers.
Skalie, koolstofhoudend		6	—		Shale, carbonaceous.
Steenkool, gemeng, met baie skaliestrepies.	1	1	—		**Coal,** mixed, with many shale stringers.
Skalie, koolstofhoudend		2	94	11	Shale, carbonaceous.
Glanskool, kalsiethoudend ...		2	—		**Coal,** bright, calcitic.
Skalie, koolstofhoudend	1	4½	96	5½	Shale, carbonaceous.
Steenkool, gemeng, plek-plek fyngelaag, skalieagtig by bo-ent; bevat twee lagies erg glansende steenkool; kalsiet- en piriethoudend.	1	11½	—		**Coal,** mixed, finely banded in places, shaly at top; contains two bands of very bright coal; pyritic and calcitic.
Glanskool, kalsiethoudend; bevat klei.		3	—		**Coal,** bright, calcitic; contains mud.
Glanskool, plek-plek fyngelaag.	1	0	99	8	**Coal,** bright, finely banded in parts.
Skalie, koolstofhoudend, met steenkoolstrepies.	2	6	102	2	Shale, carbonaceous, with coal stringers.
Steenkool, fyngelaag, skalieagtig.		8	—		**Coal,** finely banded, shaly.
Skalie, koolstofhoudend, met steenkoolstrepies.		9	—		Shale, carbonaceous, with coal stringers.
Glanskool, met baie skalie en pirietknolle; kalsiethoudend.	2	2	—		**Coal,** bright, with much shale and pyritic nodules; calcitic.
Skalie, koolstofhoudend		3	—		Shale, carbonaceous.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Glanskool, met skaliestrepies; bevat klei en is wit gevlek en kalsiethoudend.		9	—		**Coal,** bright, with shale stringers; contains mud and is white-stained and calcitic.
Skalie, koolstofhoudend, met 2 dm. glanskool in middel.		11	—		Shale, carbonaceous, with 2 in. bright coal in middle.
Skalie, koolstofhoudend, met steenkoollagies.	2	5	—		Shale, carbonaceous, with coal bands.
Glanskool, kalsiethoudend, met 'n 1-dm. skalielaag.	1	8	—		**Coal,** bright, calcitic, with a 1-in. shale band.
Glanskool; bevat klei en is kalsiethoudend; 1 dm. skalie in middel.		9	—		**Coal,** bright; contains mud and is calcitic; 1 in. shale in middle.
Skalie, koolstofhoudend		4	—		Shale, carbonaceous.
Glanskool, met skalielagies; kalsiethoudend.	1	1	113	10	**Coal,** bright, with shale bands; calcitic.
Skalie, koolstofhoudend	1	10	115	8	Shale, carbonaceous.
Glanskool, met 'n paar skalielagies; kalsiet- en piriethoudend.	1	3	—		**Coal,** with a few shale bands; calcitic and pyritic.
Skalie, koolstofhoudend		5	—		Shale, carbonaceous.
Glanskool, met baie skaliestrepies.		5	—		**Coal,** bright, with many shale stringers.
Skalie, koolstofhoudend		5	—		Shale, carbonaceous.
Skalie, koolstofhoudend, met steenkoollagies.	5	7	123	9	Shale, carbonaceous, with coal bands.
Glanskool	1	5	—		**Coal,** bright.
Skalie, koolstofhoudend, en steenkool.		4	—		Shale, carbonaceous, and coal.
Skalie, koolstofhoudend		3	—		Shale, carbonaceous.
Glanskool; erg glansend ...	1	4	—		**Coal,** very bright.
Skalie, koolstofhoudend, en steenkool afwisselend.		10	—		Shale, carbonaceous, and coal, alternating.
Pirietlaag		3	—		Pyrites band.
Glanskool, met 'n paar skalielae; piriethoudend.	3	3	—		**Coal,** bright, with a few shale bands; pyritic.
Skalie, koolstofhoudend		9	—		Shale, carbonaceous.
Glanskool, met skaliestrepies ...		10	—		**Coal,** bright, with shale stringers.
Skalie, koolstofhoudend, en steenkool.		4	—		Shale, carbonaceous, and coal.
Glanskool, met siderietkorrels na onder.	1	6	—		**Coal,** bright, with siderite pellets towards bottom.
Skalie, koolstofhoudend		8	135	6	Shale, carbonaceous.
Skalie, koolstofhoudend, met steenkoollagies.	12	3	147	9	Shale, carbonaceous, with coal bands.
Glanskool, met skalielagies; siderietklontjies by bo-ent.		10	—		**Coal,** bright, with shale bands; siderite pellets at top.
Skalie, koolstofhoudend		2	—		Shale, carbonaceous.
Glanskool, met skalielagies ...		8	—		**Coal,** bright, with shale bands.
Skalie, koolstofhoudend, met fyngelaagde glanskool.	1	8	—		Shale, carbonaceous, with finely banded bright coal.
Glanskool, met skalielagies ...		9	—		**Coal,** bright, with shale bands.
Skalie, koolstofhoudend		3	—		Shale, carbonaceous.
Glanskool, met baie skalielagies		5	—		**Coal,** bright, with many shale bands.
Glanskool, korrelrig, met skalielagies; piriet- en kalsiethoudend.	1	3	—		**Coal,** bright, granular, with shale bands; pyritic and calcitic.
Skalie, koolstofhoudend		9	—		Shale, carbonaceous.
Glanskool, erg piriethoudend ...		10	—		**Coal,** bright, very pyritic.

Bg. 46 (*Verv.*) B.H. 46 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, koolstofhoudend, en glanskoollagies; plek-plek piriet- en sidieriethoudend.	5	7	—		Shale, carbonaceous, and bright coal bands; pyritic and sideritic in places.
Steenkool, skalieagtig		11	—		**Coal,** shaly.
Glanskool, met skalielagies	1	3	—		**Coal,** bright, with shale bands.
Skalie, koolstofhoudend		3	—		Shale, carbonaceous.
Skalie, koolstofhoudend, en steenkool; hoofsaaklik skalie.	2	6	—		Shale, carbonaceous, and coal; shale predominating.
Skalie, koolstofhoudend		3	—		Shale, carbonaceous.
Skalie, koolstofhoudend, en steenkool; hoofsaaklik skalie.	1	0	—		Shale, carbonaceous, and coal, shale predominating.
Skalie, koolstofhoudend	1	7	—		Shale, carbonaceous.
Steenkool, skalieagtig		8	—		**Coal,** shaly.
Skalie, koolstofhoudend		2	—		Shale, carbonaceous.
Steenkool, skalieagtig		7	—		**Coal,** shaly.
Skalie, koolstofhoudend		5	—		Shale, carbonaceous.
Steenkool, skalieagtig	1	0	—		**Coal,** shaly.
Skalie, koolstofhoudend, en steenkool.	1	3	172	9	Shale, carbonaceous, and coal.
Skalie, koolstofhoudend, met 'n paar steenkoollagies.	10	6	183	3	Shale, carbonaceous, with a few coal bands.
Glanskool, met skalielagies; gelaag na onder.	1	8	184	11	**Coal,** bright, with shale bands; finely banded towards bottom.
Skalie, koolstofhoudend		9	—		Shale, carbonaceous.
Glanskool, met skalielagies		9	—		**Coal,** bright, with shale bands.
Klei, steenkoolagtig		5	186	10	**Mud,** coaly.
Skalie, koolstofhoudend	1	6	188	4	Shale, carbonaceous.
Glanskool, korrelrig, met baie skalielagies.		8	—		**Coal,** bright, granular, with many shale bands.
Skalie, koolstofhoudend, en glanskool, afwisselend.	2	1	191	1	Shale, carbonaceous, and bright coal, alternating.
Glanskool, met baie skalielagies; bevat klei; kalsiethoudend.	1	5	—		**Coal,** bright, with many shale bands; contains mud; calcitic.
Skalie, koolstofhoudend, en glanskool, met skalielagies.	2	5	—		Shale, carbonaceous, and bright coal, with shale bands.
Glanskool, met skalielagies		9	—		**Coal,** bright, with shale bands.
Skalie, koolstofhoudend, en glanskool.	1	1	—		Shale, carbonaceous, and bright coal.
Glanskool, met skalielagies	1	10	198	7	**Coal,** bright, with shale bands.
Skalie, koolstofhoudend, met steenkoollagies en steenkoolagtige skalie.	19	5	218	0	Shale, carbonaceous, with shale bands and coaly shale.
Glanskool, korrelrig, met siderietklontjies; piriethoudend.	1	7	219	7	**Coal,** bright, granular, with siderite pellets; pyritic.
Skalie, koolstofhoudend, met steenkoollagies.	10	11	230	6	Shale, carbonaceous, with coal bands.
Glanskool, korrelrig, met baie skalielagies.	1	9	—		**Coal,** bright, granular, with many shale bands.
Skalie, koolstofhoudend, met steenkoollagies.	7	6	239	9	Shale, carbonaceous, with coal bands.
Skalie, koolstofhoudend		4	—		Shale, carbonaceous.
Glanskool, met skalielagies		6	—		**Coal,** bright, with shale bands.
Skalie, koolstofhoudend, met steenkoollagies.	1	11	—		Shale, carbonaceous, with coal bands.
Glanskool, piriethoudend		7	—		**Coal,** bright, pyritic.
Skalie, koolstofhoudend		10	—		Shale, carbonaceous.
Glanskool, piriet- en kalsiethoudend.	1	0	244	11	**Coal,** bright, pyritic and calcitic.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, koolstofhoudend, met steenkoollagies.	5	5	250	4	Shale, carbonaceous, with coal bands.
Glanskool, fyngelaag, met 2 dm. skalie by bo-ent.	1	2	—		**Coal,** bright, finely banded, with 2 in. shale at top.
Skalie, koolstofhoudend; glyvlak kom voor.	1	4	—		Shale, carbonaceous; slip plane appears.
Glanskool, fyngelaag, met skalielagies.		11	—		**Coal,** bright, finely banded, with shale bands.
Skalie, koolstofhoudend, met steenkoollagies, en skalieagtige steenkool.	3	3	—		Shale, carbonaceous, with coal bands, and shaly coal.
Glanskool, fyngelaag, met skalielagies.		10	—		**Coal,** bright, finely banded, with shale bands.
Skalie, koolstofhoudend	1	0	—		Shale, carbonaceous.
Glanskool, piriethoudend, met skalielagies.		9	259	7	**Coal,** bright, pyritic, with shale bands.
Skalie, koolstofhoudend, met steenkoollagies, en steenkoolagtige skalie.	8	3	267	10	Shale, carbonaceous, with coal bands, and coaly shale.
Glanskool (vitriet)		5	—		**Coal,** bright (vitrain).
Skalie, koolstofhoudend, met 'n paar steenkoollagies.	12	2	—		Shale, carbonaceous, with a few coal bands.
Matkool, skalieagtig	2	0	—		**Coal,** dull and shaly.
Glanskool		5	—		**Coal,** bright.
Skalie		6	—		Shale.
Matkool, skalieagtig, met 3 dm. glanskool naby bo-ent.	2	5	—		**Coal,** dull and shaly, with 3 in. bright coal near top.
Skalie, met 'n paar glanskoolstrepies.	1	2	—		Shale, with a few bright coal stringers.
Steenkool, skalieagtig		6	—		**Coal,** shaly.
Steenkool; hoofsaaklik glanskool.		6	—		**Coal;** mainly bright coal.
Steenkool, skalieagtig		3	—		**Coal,** shaly.
Steenkool; hoofsaaklik glanskool.		9	—		**Coal;** mainly bright coal.
Steenkool, skalieagtig		3	—		**Coal,** shaly.
Skalie		5	—		Shale.
Steenkool; hoofsaaklik glanskool.		7	—		**Coal;** mainly bright coal.
Skalie	1	7	291	9	Shale.
Matkool, swaar	1	3	—		**Coal,** dull and heavy.
Skalie, koolstofhoudend, en steenkool; hoofsaaklik skalie; bevat 'n bietjie skalieagtige steenkool by bo-ent.	5	6	298	6	Shale, carbonaceous, and coal; mainly shale; contains a little shaly coal near top.
Skalie	6	6	305	0	Shale.
kalie, koolstofhoudend, en steenkool.	1	1	—		Shale, carbonaceous, and coal.
Glanskool, kalsiethoudend ...		4	—		**Coal,** bright, calcitic.
kalie, koolstofhoudend, en piriethoudende glanskool.		6	—		Shale, carbonaceous, and pyritic bright coal.
kalie, vaal	3	4	310	3	Shale, grey.
teenkool; hoofsaaklik matkool.		5	—		**Coal;** mainly dull coal.
kalie, koolstofhoudend, en skalieagtige steenkool om die beurt.	1	3	311	11	Shale, carbonaceous, and shaly coal; alternating.
teenkool; hoofsaaklik skalieagtie matkool; piriethoudend by onderent.	1	11	—		**Coal;** mainly dull and shaly; pyritic at bottom.
kalie	3	1	—		Shale.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Matkool, skalieagtig, met baie piriet.	1	2	318	1	**Coal,** dull and shaly, with much pyrites.
Skalie	3	6	—		Shale.
Skalie, koolstofhoudend, en erg skalieagtige steenkool.	1	3	—		Shale, carbonaceous, and very shaly coal.
Skalie	6	1	328	11	Shale.
Matkool, korrelrig, met 'n glans naby bo-ent.	1	5	330	4	**Coal,** dull and granular, with a lustre near top.
Skalie, koolstofhoudend, en steenkool; hoofsaaklik skalie.	1	3	—		Shale, carbonaceous, and coal; mainly shale.
Matkool	1	1	—		**Coal,** dull.
Steenkool; hoofsaaklik matkool; boonste 10 dm. is dof en korrelrig met 'n glans en is geskei van onderste deel deur ¼ dm. koolstofhoudende skalie.	3	4	—		**Coal;** mainly dull; top 10 in. is dull and granular with a lustre and separated from the bottom portion by ¼ in. carbonaceous shale.
Matkool, met baie piriethoudende knolle; bevat plek-plek bietjie glanskool en 'n skalieagtige laag 10 dm. van onder af.	3	8	339	8	**Coal,** dull, with numerous pyritic nodules; contains a little bright coal in parts and a shaly band 10 in. from bottom.
Steenkool; afwisselende lagies matkool en gemengde hoofsaaklik matkool.	4	10	—		**Coal;** alternating bands, of dull and mixed, mainly dull coal.
Moddersteen, koolstofhoudend.		2	—		Mudstone, carbonaceous.
Matkool, met 'n bietjie glanskool by onderent en 'n 1-dm. pirietlagie 7 dm. van bo af.	4	10	—		**Coal,** dull, with a little bright coal at bottom and a 1-in. pyrite band 7 in. from top.
Steenkool, vuil, kleiagtig		2	—		**Coal,** dirty, muddy.
Steenkool; afwisselende lagies van matkool en gemengde, hoofsaaklik matkool.	2	7	—		**Coal;** alternating bands of dull and mixed, mainly dull coal.
Steenkool, vuil, korrelrig, kleiagtig.		2	—		**Coal,** dirty, granular, muddy.
Steenkool; afwisselende lagies van gemengde steenkool en hoofsaaklik matkool; boonste 4 dm. hoofsaaklik glanskool en piriethoudend.	2	0	—		**Coal;** alternating bands of mixed coal and mainly dull coal; top 4 in. mainly bright and pyritic.
Steenkool; afwisselende lagies gemengde steenkool en glanskool.	2	9	357	2	**Coal;** alternating bands of mixed and bright coal.
Sandsteen, fynkorrelrig, fyngelaag, vaal, mikadraend.	13	5	370	7	Sandstone, fine-grained, finely laminated, grey, micaceous.
Steenkool, erg skalieagtig	1	1	371	8	**Coal,** very shaly.
Matkool, met 'n bietjie glanskool by onderent.	1	11	—		**Coal,** dull, with some bright coal at bottom.
Skalie, koolstofhoudend		4	—		Shale, carbonaceous.
Matkool en gemengde steenkool; hoofsaaklik matkool; piriethoudend by onderent.	4	4	—		**Coal;** dull and mixed; mainly dull coal; pyritic at bottom.
Steenkool, skalieagtig		9	—		**Coal,** shaly.
Matkool, met 'n bietjie gemengde steenkool in die middel.	2	8	—		**Coal,** dull, with a little mixed coal in middle.
Steenkool, vuil, kalsiethoudend		4	—		**Coal,** dirty, calcitic.
Steenkool, gemeng, meer glansend na onder.	2	7	384	7	**Coal,** mixed, brighter towards bottom.
Sandsteen, fynkorrelrig, vuilvaal.	1	6	386	1	Sandstone, fine-grained, dirty grey.
Steenkool		2	—		**Coal.**

Aard van lae	Dikte verkry Thickness recovered *Vt. Ft.*	*Dm. In.*	Ware diepte True depth *Vt. Ft.*	*Dm. In.*	Nature of strata
Sandsteen, fyn- tot grofkorrelrig, vaalwit tot wit, met onderste 15 vt. gelaag, mikadraend, vaal tot vaalswart.	42	4	—		Sandstone, fine- to coarse-grained, greyish white to white, with bottom 15 ft. laminated, micaceous and grey to greyish black.
Sandsteen, fynkorrelrig tot middelkorrelrig, met skalieagtige sandsteenlagies tussen in.	8	1	—		Sandstone, fine- to medium-grained, with intervening shaly sandstone bands.
Sandsteen, grofkorrelrig, vaalwit.	4	3	440	11	Sandstone, coarse-grained, greyish white.
Matkool, met 'n bietjie glanskool by bo-ent; 'n ¼-dm. pirietlagie naby bo-ent.	4	0	—		**Coal,** dull, with a little bright coal at top; a ¼-in. pyrite band near top.
Steenkool, gemeng; hoofsaaklik matkool.		10	—		**Coal,** mixed, mainly dull.
Steenkool, vuil		2	—		**Coal,** dirty.
Steenkool; hoofsaaklik matkool; fyngelaag.		6	—		**Coal;** mainly dull; finely banded.
Piriet		3	—		Pyrites.
Glanskool, fyngelaag		5	447	1	**Coal,** finely banded.
Skalie, koolstofhoudend		6	—		Shale, carbonaceous.
Sandsteen	2	5	450	0	Sandstone.

BOORGAT 46 : TURFVLAKTE 1358 : BOREHOLE 46

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered *Dm. In.*	Ware diepte True depth *Vt. Ft.*	*Dm. In.*	Nature of strata
O 584					
E	**Glanskool,** fyngelaag, 1½ dm. piriet by bo-ent uitgesluit.	16	64	3	**Coal,** bright, finely banded, 1½ in. pyrites at top excluded.
	N.G.	91	71	10	N.S.
D	**Steenkool,** gemeng; hoofsaaklik glanskool; kalsiethoudend, met 1 dm. skalielaag uitgesluit.	12	72	10	**Coal,** mixed; mainly bright; calcitic, with 1 in. shale band excluded.
	N.G.	18	—		N.S.
C	**Glanskool,** met skalielagies; piriethoudend.	9	—		**Coal,** bright, with shale bands; pyritic.
	N.G.	4	—		N.S.
B	**Glanskool,** fyngelaag ...	11	—		**Coal,** bright, finely banded.
	N.G.	12	—		N.S.
A	**Glanskool,** gelaag, lyk soos smidskool	16	—		**Coal,** bright, banded, smithy-like in appearance.
	N.G.	2	78	10	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
O 585	N.G.	111	91 7	N.S.
B	**Glanskool,** fyngelaag, piriet- en kalsiethoudend, wit gevlek (B.N.I.); met skaliestrepies.	19	—	**Coal,** bright, finely banded, pyritic and calcitic; white-stained (F.R.I.); with shale stringers.
	N.G.	6	—	N.S.
A	**Steenkool,** gemeng, met baie skaliestrepies.	13	—	**Coal,** mixed, with many shale stringers.
	N.G.	2	94 11	N.S.
O 586	N.G.	16½	96 5½	N.S.
B	**Steenkool,** gemeng, plek-plek fyngelaag, skalieagtig by bo-ent; bevat twee lagies erg glansende steenkool; kalsiet- en piriethoudend.	23½	—	**Coal,** mixed, finely banded in places, shaly at top; contains two bands of very bright coal; pyritic and calcitic.
A	**Glanskool,** kalsiethoudend; bevat klei.	3	—	**Coal,** bright, calcitic; contains mud.
	Glanskool, plek-plek fyngelaag.	12	—	**Coal,** bright, finely banded in parts.
	N.G.	30	102 2	N.S.
O 587	N.G.	30	102 2	N.S.
F	**Steenkool,** fyngelaag, skalieagtig.	8	—	**Coal,** finely banded, shaly.
	N.G.	9	—	N.S.
E	**Glanskool,** met baie skalie en pirietknolle; kalsiethoudend.	26	—	**Coal,** bright, with much shale and pyritic nodules; calcitic.
	N.G.	3	—	N.S.
D	**Glanskool,** met skaliestrepies; bevat klei, is wit gevlek en kalsiethoudend.	9	—	**Coal,** bright, with shale stringers; contains mud, is white stained and calcitic.
	N.G.	11	—	N.S.
	N.G.	29	—	N.S.
C	**Glanskool,** kalsiethoudend, met 1 dm. skalie uitgesluit.	20	—	**Coal,** bright, calcitic, with 1 in. shale excluded.
B	**Glanskool,** bevat klei en is kalsiethoudend; 1 dm. skalie in middel uitgesluit.	9	—	**Coal,** bright, contains mud and is calcitic; 1 in. shale in middle excluded.
	N.G.	4	—	N.S.
A	**Glanskool,** met skalielagies; kalsiethoudend.	13	—	**Coal,** bright, with shale bands; calcitic.
	N.G.	22	115 8	N.S.
O 588	N.G.	22	115 8	N.S.
F	**Glanskool,** met 'n paar skalielagies; kalsiet- en piriethoudend.	15	—	**Coal,** bright, with a few shale bands; calcitic and pyritic.

No. van B.N.I.-monster F.R.I. ample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
F	N.G.	5	—	N.S.
	N.G.	5	—	N.S.
	N.G.	5	—	N.S.
	N.G.	67	—	N.S.
E	**Glanskool**	17	—	Coal, bright.
	N.G.	4	—	N.S.
	N.G.	3	—	N.S.
D	**Glanskool,** erg glansend.	16	—	Coal, very bright.
	N.G.	10	—	N.S.
	N.G.	3	—	N.S.
C	**Glanskool,** met 'n paar skalielae; piriethoudend.	39	—	Coal, bright, with a few shale bands; pyritic.
	N.G.	9	—	N.S.
B	**Glanskool,** met skaliestrepies.	10	—	Coal, bright, with shale stringers.
	N.G.	4	—	N.S.
A	**Glanskool,** met sideriet-korrels na onder.	18	—	Coal, bright, siderite pellets towards bottom.
	N.G.	8	135 6	N.S.
589	N.G.	147	147 9	N.S.
D	**Glanskool,** met skalielagies, sierietkorrels by bo-ent.	10	—	Coal, bright, with shale bands, siderite pellets at top.
	N.G.	2	—	N.S.
	Glanskool, met skalielagies.	8	—	Coal, bright, with shale bands.
	N.G.	20	—	N.S.
C	**Glanskool,** met skalielagies.	9	—	Coal, bright, with shale bands.
	N.G.	3	—	N.S.
	Glanskool, met baie skalielagies.	5	—	Coal, bright, with many shale bands.
	Glanskool, korrelrig, met skalielagies; piriet- en kalsiethoudend.	15	— —	Coal, bright, granular, with shale bands; pyritic and calcitic.
	N.G.	86	—	N.S.
B	**Steenkool,** skalieagtig	11	—	Coal, shaly.
	Glanskool, met skalielagies.	15	163 1	Coal, bright, with shale bands.
	N.G.	3	—	N.S.
	N.G.	30	—	N.S.
	N.G.	3	—	N.S.
	N.G.	12	—	N.S.
	N.G.	19	—	N.S.
A	**Steenkool,** skalieagtig.	8	—	Coal, shaly.
	N.G.	2	—	N.S.
	Steenkool, skalieagtig.	7	—	Coal, shaly.
	N.G.	5	—	N.S.
	Steenkool, skalieagtig.	12	—	Coal, shaly.
	N.G.	15	172 9	N.S.
590	N.G.	126	183 3	N.S.
B	**Glanskool,** met skalielagies; fyngelaag na onder.	20	—	Coal, bright, with shale bands; finely banded towards bottom.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
B	N.G.	9	—	N.S.
A	Glanskool, met skalielagies.	9	—	Coal, bright, with sha bands.
	N.G.	5	186 10	N.S.
O 591	N.G.	25	191 1	N.S.
C	Glanskool, met baie-skalielagies; bevat klei en is kalsiethoudend.	17	—	Coal, bright, with ma shale bands; contai mud and is calcitic.
	N.G.	29	—	N.S.
B	Glanskool, met skalielagies.	9	—	Coal, bright, with sha bands.
	N.G.	13	—	N.S.
A	Glanskool, met skalielagies.	22	198 7	Coal, bright, with sha bands.
O 592	Glanskool, korrelrig, met siderietklontjies; piriethoudend.	19	219 7	Coal, bright, granular, wit siderite pellets; pyriti
O 593	N.G.	23	242 6	N.S.
	Glanskool, piriethoudend.	7	—	Coal, bright, pyritic.
	N.G.	10	—	N.S.
	Glanskool, piriet- en kalsiethoudend.	12	244 11	Coal, bright, pyritic an calcitic.
O 594	N.G.	65	250 4	N.S.
D	Glanskool, fyngelaag, met 2 dm. skalie by bo-ent uitgesluit.	14	—	Coal, bright, finely ban ded, with 2 in. shale a top excluded.
	N.G.	16	—	N.S.
C	Glanskool, fyngelaag, met skalielagies.	11	253 9	Coal, bright, finely ban ded, with shale bands.
	N.G.	39	—	N.S.
B	Glanskool, fyngelaag, met skalielagies.	10	—	Coal, finely banded, wit shale bands.
	N.G.	12	—	N.S.
A	Glanskool, piriethoudend, met skalielagies.	9	259 7	Coal, bright, pyritic, wit shale bands.
O 595	N.G.	99	267 10	N.S.
F	Glanskool (vitriet) ...	5	—	Coal, bright (vitrain).
	N.G.	146	—	N.S.
E	Matkool, skalieagtig ...	24	—	Coal, dull and shaly.
D	Glanskool	5	—	Coal, bright.
	N.G.	6	—	N.S.
C	Matkool, skalieagtig ...	29	—	Coal, dull and shaly.
	N.G.	14	—	N.S.

No. van B.N.I.- nonster F.R.I. mple no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
B	**Steenkool,** skalieagtig.	6	—	**Coal,** shaly.
	Steenkool; hoofsaaklik glanskool.	6	—	**Coal;** mainly bright coal.
	Steenkool, skalieagtig.	3	—	**Coal,** shaly.
	Steenkool; hoofsaaklik glanskool.	9	—	**Coal;** mainly bright coal.
	Steenkool, skalieagtig.	3	—	**Coal,** shaly.
	N.G.	5	—	N.S.
A	**Steenkool;** hoofsaaklik glanskool.	7	—	**Coal;** mainly bright coal.
	N.G.	19	291 9	N.S.
17	N.G.	15	311 11	N.S.
	Steenkool; hoofsaaklik skalieagtig en matkool; piriethoudend by onderent.	23	—	**Coal;** mainly dull and shaly; pyritic at bottom.
	N.G.	37	316 11	N.S.
18	N.G.	73	328 11	N.S.
J	**Matkool,** korrelrig, met 'n glans naby bo-ent.	17	—	**Coal,** dull and granular, with a lustre near top.
	N.G.	15	—	N.S.
H	**Matkool**	13	—	**Coal,** dull.
G	**Steenkool;** hoofsaaklik matkool; boonste 10 dm. is dof en korrelrig, met 'n glans, en is geskei van onderste deel deur ¼ dm. koolstofhoudende skalie.	40	—	**Coal;** mainly dull; top 10 in. is dull and granular, with a lustre, and is separated from the bottom portion by ¼ in. carbonaceous shale.
F	**Matkool,** met baie piriethoudende knolle; bevat plek-plek 'n bietjie glanskool en 'n skalieagtige laag 10 dm. van onder af.	44	339 8	**Coal,** dull, with numerous pyritic nodules; contains a little bright coal in parts and a shaly band 10 in. from the bottom.
E	**Steenkool;** afwisselende lagies van matkool en gemengde, hoofsaaklik matkool.	58	—	**Coal;** alternating bands of dull and mixed, mainly dull coal.
	N.G.	2	—	N.S.
D	**Matkool,** met 'n bietjie glanskool by onderent; 1 dm. piriet 7 dm. bo af uitgesluit.	58	—	**Coal,** dull, with a little bright coal at bottom; 1 in. pyrite 7 in. from top excluded.
	N.G.	2	—	N.S.
C	**Steenkool;** afwisselende lagies van matkool en gemengde, hoofsaaklik matkool.	31	—	**Coal;** alternating bands of dull and mixed, mainly dull coal.
	N.G.	2	—	N.S.
B	**Steenkool;** afwisselende lagies van gemengde steenkool en hoofsaaklik matkool; boonste 4 dm. hoofsaaklik glanskool en piriethoudend.	24	—	**Coal;** alternating bands of mixed coal and mainly dull coal; top 4 in. mainly bright and pyritic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
A	**Steenkool;** afwisselende lagies gemengde steenkool en glanskool.	33	357 2	**Coal;** alternating ban of mixed and brig coal.
	Sandsteen	—	—	Sandstone.
P 19	N.G.	13	371 8	N.S.
D	**Matkool;** bevat 'n bietjie glanskool by onderent.	23	—	**Coal,** dull; contains sor bright coal at botto
	N.G.	4	—	N.S.
C	**Matkool** en gemengde steenkool; hoofsaaklik matkool; pirietHoudend by onderent.	52	—	**Coal,** dull and mixe mainly dull coal; py tic at bottom.
	N.G.	9	—	N.S.
B	**Matkool,** met 'n bietjie gemengde steenkool in die middel.	32	—	**Coal,** dull, with a lit mixed coal in the mi dle.
	N.G.	4	—	N.S.
A	**Steenkool,** gemeng, meer glansend na onder.	31	384 7	**Coal,** mixed, brighter t wards bottom.
	Sandsteen	—	—	Sandstone.
P 20	Sandsteen	—	440 11	Sandstone.
B	**Matkool,** met 'n bietjie glanskool by bo-ent; ¼ dm. piriet naby bo-ent uitgesluit.	48	—	**Coal,** dull, with a litt bright coal at top; in. pyrite near top e cluded.
A	**Steenkool,** gemeng; hoofsaaklik matkool.	10	—	**Coal,** mixed, mainly du
	N.G.	2	—	N.S.
	Steenkool; hoofsaaklik maatkool; fyngelaag.	6	—	**Coal;** mainly dull; fine banded.
	N.G.	3	—	N.S.
	Glanskool, fyngelaag ...	5	447 1	**Coal,** bright, banded.

BOORGAT 46 : TURFVLAKTE 1358 : BOREHOLE 46

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
O 584 E	14½	—	—	—	10·4	2·2	24·8	31·7	41·5	—	55·0	9·9	76·4	15·4	4½	3½
D	11	—	—	—	—	2·3	26·5	29·5	41·7	—	49·6	9·8	71·6	15·8	5	3
C	9	—	—	—	—	2·4	26·3	30·0	41·3	—	50·4	10·2	69·9	15·1	4½	4
B	11	—	—	—	11·0	2·2	22·5	33·2	42·1	—	57·4	10·1	82·3	15·8	4	3½
A	16	—	—	—	11·6	2·3	19·8	34·8	43·1	—	67·4	10·3	86·9	14·4	4	3½
O 585 B	19	—	—	—	10·7	2·2	24·4	30·4	43·0	—	56·4	7·9	72·6	12·4	5	4½
A	13	—	—	—	—	2·3	27·9	28·2	41·6	—	49·5	7·9	65·9	13·1	4½	4
O 586 B	23½	—	—	—	11·5	2·2	19·9	34·0	43·9	—	65·0	8·7	82·7	12·6	3½	3½
A	15	—	—	—	12·0	2·3	15·9	35·0	46·8	—	79·0	8·2	87·7	9·7	4½	3½
O 587 F	8	—	—	—	11·1	2·1	22·1	32·8	43·0	—	57·8	8·5	78·2	13·6	4	3
E	26	—	—	—	—	2·0	26·9	30·2	40·9	—	47·1	8·7	66·9	14·2	5	4
D	9	—	—	—	11·1	2·3	18·9	33·4	45·4	—	66·3	5·7	75·8	8·4	3½	3½
C	19	—	—	—	11·8	2·3	17·2	33·9	46·6	—	74·0	8·2	87·0	11·2	4	2½
B	8	—	—	—	11·6	2·1	19·7	32·6	45·6	—	68·4	8·1	80·3	11·1	4½	3
A	13	—	—	—	11·9	2·2	17·2	33·1	47·5	—	70·0	7·7	86·6	11·3	4½	3½
O 588 F	15	—	—	—	11·8	2·2	17·5	33·2	47·1	—	69·5	7·3	85·4	11·2	3½	2½
E	17	—	—	—	11·7	2·4	18·4	32·4	46·8	—	67·4	8·7	87·0	13·0	4½	4
D	16	—	—	—	12·2	2·2	15·4	34·6	47·8	—	77·4	8·7	91·9	11·5	4	3
C	39	—	—	—	11·2	2·2	21·7	32·0	44·1	—	60·6	8·2	79·1	13·2	4½	3½
B	10	—	—	—	—	2·0	26·8	29·9	41·3	—	49·6	11·0	72·8	16·9	4½	3½

		WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float. 1·45		Dryfsel, 1·58 Float. 1·58		Sw.-syfer Swelling number Dryfsel Float	
No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V. w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
A	18	—	—	—	11·6	2·2	19·3	33·9	44·6	—	69·8	8·7	84·6	12·8	4	4
O 589 D	18	—	—	—	10·7	1·9	24·6	31·2	42·3	—	55·3	9·0	71·1	13·8	5	4
C	29	—	—	—	10·8	2·0	23·0	31·4	43·6	—	60·5	8·5	74·0	12·3	4	3½
B	26	—	—	—	11·1	1·6	22·1	31·3	45·0	—	53·9	7·5	74·5	13·6	4½	3
A	27	—	—	—	10·2	1·8	25·9	31·2	41·1	—	52·7	7·5	66·3	12·2	4	3½
O 590 B	20	—	—	—	—	1·7	26·9	30·5	40·9	—	47·5	9·2	67·2	14·8	5	4½
A	9	—	—	—	10·9	1·8	22·3	33·0	42·9	—	54·8	8·2	74·0	12·2	4	3½
O 591 C	17	—	—	—	—	1·7	28·2	30·1	40·0	—	41·9	9·3	63·8	15·6	4½	3½
B	9	—	—	—	11·2	1·7	21·8	32·0	44·5	—	55·8	7·4	75·4	12·6	3½	3
A	22	—	—	—	11·4	1·9	20·2	33·5	44·4	—	60·7	8·6	82·2	13·6	3½	3
O 592	19	—	—	—	10·4	1·6	25·4	32·8	40·2	—	54·3	8·1	66·0	11·6	4½	4
O 593	19	—	—	—	11·4	1·6	20·8	33·6	44·0	—	67·5	7·2	75·3	9·5	4½	3
O 594 D	12	—	—	—	12·1	1·8	16·6	34·7	46·9	—	79·2	8·4	85·8	10·1	4½	3
C	11	—	—	—	10·9	1·7	24·2	31·1	43·0	—	58·5	9·1	72·0	12·6	4½	3
B	10	—	—	—	12·4	1·9	15·2	33·9	49·0	—	77·7	8·7	90·8	11·4	5	4½
A	9	—	—	—	11·0	1·8	23·3	30·5	44·4	—	54·4	8·9	73·5	13·4	3½	3
O 595 F	5	—	—	—	12·2	2·4	14·9	32·8	49·9	—	78·4	7·4	86·0	9·2	4½	4
E	24	—	—	—	—	2·0	34·8	24·9	38·3	—	—	—	—	—	—	—
D	5	—	—	—	12·6	2·0	13·7	32·8	51·5	—	82·5	8·9	91·7	10·4	5	4½
C	29	—	—	—	—	1·6	26·5	24·6	47·3	—	32·9	9·0	55·5	13·0	1	1
B	27	—	—	—	10·6	1·8	24·6	28·7	44·9	—	48·6	5·6	57·7	8·3	3½	3
A	7	—	—	—	—	1·7	29·6	28·2	40·5	—	45·4	5·8	51·9	8·9	4½	4
P 17	23	—	—	—	—	2·1	32·1	22·9	42·9	—	—	—	—	—	—	—
P 18 J	17	—	—	—	—	2·0	38·1	19·0	40·9	—	—	—	—	—	—	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V. w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
H	13	—	—	—	—	1·8	43·4	15·1	39·7	—	—	—	—	—	—	—
G	40	—	—	—	11·7	2·5	15·9	21·5	60·1	—	59·7	6·1	81·4	8·5	1P	—
F	44	—	—	—	10·2	2·1	26·2	20·1	51·6	—	33·0	5·9	55·3	10·0	1F	—
E	58	—	—	—	11·3	2·1	19·6	21·2	57·1}							
D	57	—	—	—	11·0	2·1	21·7	20·1	56·1}	—	37·1	6·9	69·4	10·9	1F	—
C	31	—	—	—	11·8	2·1	17·4	21·6	58·9	—	44·6	6·7	78·4	11·0	1F	—
B	24	—	—	—	13·1	2·2	11·5	25·5	60·8}							
A	33	—	—	—	13·2	2·1	10·1	29·1	58·7}	—	77·6	5·3	93·0	7·4	1	1
P 19 D	23	—	—	—	—	1·8	34·8	18·2	45·2	—	—	—	—	—	—	—
C	52	—	—	—	11·2	2·0	21·0	21·9	55·1}							
B	32	—	—	—	11·5	2·0	19·0	20·4	58·6}	—	35·7	7·4	71·5	12·3	1F	—
A	31	—	—	—	12·8	2·0	13·0	26·3	58·7	—	65·4	7·0	92·8	10·2	1	1F
P 20 B	48	—	—	—	12·3	2·1	14·6	21·4	61·9}							
A	21	—	—	—	12·7	1·8	12·9	27·9	57·4}	—	52·1	6·7	89·6	10·8	1F	—

BOORGAT 47 : TURFVLAKTE 1358 : BOREHOLE 47

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sand	1	9	—		Sand.
Oppervlaktekalksteen	7	0	—		Limestone, surface.
Moddersteen? (stampboor) ...	65	9	74	6	Mudstone? (jumper drill).
Skalie, koolstofhoudend		9	—		Shale, carbonaceous.
Glanskool, gelaag		5	—		**Coal,** bright, banded.
Skalielae, koolstofhoudend, en skalieagtige steenkoollae met glanskoolstrepies.		6	—		Shale bands, carbonaceous, and shaly coal bands, with bright coal stringers.
Glanskool, met baie sierietkorrels.		8	—		**Coal,** bright, with many siderite pellets.
Glanskool, met skalieagtige dele by onderent.		5	—		**Coal,** bright, with shaly portions at bottom.
Skalie, koolstofhoudend en steenkoolagtig.	1	7	78	10	Shale, carbonaceous and coaly.
Glanskool; fyngelaagde 3-dm. tot 5-dm. lae met skalieagtige dele, en steenkoolagtige skalielae met fyngelaagde glanskoollagies, afwisselend.	3	3	—		**Coal;** bright, finely banded 3-in. to 5-in. bands, with shaly portions, and coaly shale bands with finely banded bright coal bands, alternating.
Steenkool, skalieagtig		3	—		**Coal,** shaly.
Glanskool, fyngelaag, met skalieagtige dele.		10	—		**Coal,** bright, finely banded, with shaly portions.
Skalie en gelaagde, piriethoudende steenkool.	1	5	84	7	Shale and banded, pyritic coal.
Steenkool; hoofsaaklik glanskool; plek-plek met baie sierietkorrels.		11	—		**Coal;** mainly bright coal, with many siderite pellets in parts
Skalie, koolstofhoudend; met 'n klein bietjie glanskool; kalsiethoudend; glyvlak in middel.	2	1	—		Shale, carbonaceous, with some bright coal; calcitic; slip plane in middle.
Steenkool, gelaag; hoofsaaklik glanskool; piriethoudend.		9	—		**Coal,** banded; mainly bright pyritic.
Skalie, koolstofhoudend, en glanskool, om die beurt; baie sideriet by onderent.	2	3	—		Shale, carbonaceous, and bright coal, alternating much siderite at bottom.
Skalie, koolstofhoudend, met dun steenkoollagies.	12	2	102	9	Shale, carbonaceous, with thin coal bands.
Steenkool; hoofsaaklik fyngelaagde glanskool; skalieagtig by onderent.	1	5	104	2	**Coal;** mainly bright; thinly banded; shaly at bottom.
Steenkool, soos gaskool, en skalieagtig by onderent.		5	—		**Coal,** "gas"-like, and shaly a bottom.
Glanskool		3	—		**Coal,** bright.
Skalie, koolstofhoudend		9	—		Shale, carbonaceous.
Glanskool, met baie sierietkorrels veral in onderste deel; piriethoudend.	1	7	—		**Coal,** bright, with many side rite pellets especially in bot tom portion; pyritic.
Skalie, koolstofhoudend, met steenkoollagies.	20	11	128	1	Shale, carbonaceous, with coa bands.
Skalielae, steenkoolagtig, en glanskoollae met skalieagtige dele; kalsiethoudend en erg sideriethoudend in middel.	2	5	—		Shale bands, coaly and brigh coal bands with shaly parts calcitic and very sideritic i middle.
Skalie	1	2	—		Shale.
Glanskool, gelaag, met 'n paar skalieagtige lae; glanskoollae bevat piriet- en sierietkorrels.	3	1	—		**Coal,** bright, banded, with few shaly bands; bright coa bands contain pyrites an siderite pellets.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, koolstofhoudend, met dun steenkoollagies.	17	4	—		Shale, carbonaceous, with thin coal bands.
Skalie, steenkoolagtig, en piriethoudende glanskool.	1	3	—		Shale, coaly, and pyritic bright coal.
Glanskool, fyngelaag, met skalieagtige dele; kalsiethoudend.		10	—		Coal, bright, finely banded, with shaly portions; calcitic.
Skalie, koolstofhoudend		11	—		Shale, carbonaceous.
Glanskool, kalsiethoudend, piriethoudend by onderent en met 'n skalielaag in middel.	1	7	—		Coal, bright, calcitic, pyritic at bottom and with a shale band in middle.
Skalie	1	0	—		Shale.
Skalielae en fyngelaagde glanskoollae om die beurt.	1	6	—		Shale bands and finely banded bright coal bands alternating.
Skalie	1	2	—		Shale.
Steenkool, fyngelaag en kalsiethoudend, met 'n vaal skalielaag 4 dm. van onder af.	1	0	—		Coal, finely banded and calcitic, with a grey shale band 4 in. from bottom.
Skalie, met dun steenkoollagies.	9	6	—		Shale, with thin coal bands.
Skalie, steenkoolagtig, met baie glyvlakke; kalsiethoudend op glyvlakke.	1	0	171	10	Shale, coaly, with many slip planes; calcitic on slip planes.
Glanskool, gelaag, kalsiethoudend.		8	—		Coal, bright, banded, calcitic.
Skalie, steenkoolagtig, met glyvlakke; kalsiethoudend.		5	—		Shale, coaly, with slip planes; calcitic.
Glanskool, gelaag, glyvlakke by onderent; kalsiethoudend.	1	10	174	9	Coal, bright, banded, slip planes at bottom; calcitic.
Skalie, koolstofhoudend, met enkele steenkoollagies van 1 dm. tot 6 dm. dikte.	12	6	—		Shale, carbonaceous, with a few 1-in. to 6-in. coal bands.
Skalie, koolstofhoudend, met enkele dun glanskoollagies.	6	7	193	10	Shale, carbonaceous, with an occasional thin bright coal band.
Steenkool; lae van glanskool, matkool, skalieagtige steenkool en skalie om die beurt en van variërende dikte.	8	5	—		Coal; bright coal, dull coal, shaly coal and shale in alternating bands of varying width.
Skalie, koolstofhoudend, met 'n bietjie steenkool.		7	—		Shale, carbonaceous, with a little coal.
Steenkool, gemeng, plek-plek skalieagtig.	1	3	—		Coal, mixed, shaly in places.
Steenkool; lae van glanskool, matkool en skalieagtige steenkool om die beurt.		8	—		Coal; bright coal, dull coal and shaly coal in alternating bands.
Steenkool, skalieagtig		2	—		Coal, shaly.
Steenkool; hoofsaaklik glanskool; kalsiethoudend.	1	0	—		Coal; mainly bright coal; calcitic.
Skalie, koolstofhoudend		1¼	—		Shale, carbonaceous.
Glanskool		1½	—		Coal, bright.
Skalie, steenkoolagtig		4	—		Shale, coaly.
Glanskool, kalsiethoudend ...		4	—		Coal, bright, calcitic.
Skalie, koolstofhoudend		2	—		Shale, carbonaceous.
Glanskool, piriethoudend ...		2	—		Coal, bright, pyritic.
Skalie, koolstofhoudend, en matkool.	3	10	211	0	Shale, carbonaceous, and dull coal.
Skalie, koolstofhoudend, met enkele dun steenkoollagies.	12	4	—		Shale, carbonaceous, with an occasional thin coal band.
Glanskool, piriet- en kalsiethoudend.		4	—		Coal, bright, calcitic and pyritic.
Skalie, steenkoolagtig, met 'n glyvlak.		4	—		Shale, coaly, with a slip plane.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Glanskool, piriet- en kalsiethoudend.		9	—		**Coal,** bright, pyritic and calcitic.
Skalie, vaal		9			Shale, grey.
Matkool, met 'n bietjie glanskool by bo-ent.		8	—		**Coal,** dull, with some bright coal at top.
Skalie, koolstofhoudend, met dun lagies glanskool en pirietknolle.	1	1	227	3	Shale, carbonaceous, with thin bands of bright coal and spots of pyrites.
Steenkool; hoofsaaklik kalsiethoudende en piriethoudende matkool.	2	3	—		**Coal;** mainly dull, calcitic and pyritic coal.
Skalie, koolstofhoudend, met enkele dun steenkoollagies.	3	9	233	3	Shale, carbonaceous, with a few thin coal bands.
Steenkool, skalieagtig	1	1	—		**Coal,** shaly.
Skalie, ligbruin, met 'n paar dun steenkoollagies.	2	0	—		Shale, light brown, with a few thin coal bands.
Skalie, koolstofhoudend	2	11	—		Shale, carbonaceous.
Matkool		7	—		**Coal,** dull.
Skalie, koolstofhoudend		4	—		Shale, carbonaceous.
Matkool		4	—		**Coal,** dull.
Skalie, ligbruin	1	1	—		Shale, light brown.
Skalie, steenkoolagtig; piriethoudend by onderent.	1	8	—		Shale, coaly, pyritic at bottom.
Skalie, koolstofhoudend, met enkele dun steenkoollagies.	3	6	246	11	Shale, carbonaceous, with a few thin coal bands.
Matkool, kalsiethoudend in middel met piriet by bo-ent.	2	4	—		**Coal,** dull, calcitic in middle, with pyrites at top.
Skalie, steenkoolagtig		4	—		Shale, coaly.
Steenkool, korrelrig, swaar en piriethoudend.		10	—		**Coal,** granular, heavy and pyritic.
Matkool, met 'n bietjie glanskool by bo- en onderent.	2	11	—		**Coal,** dull, with a little bright coal at top and bottom.
Pirietknol, koolstofhoudend ...		4	—		Pyrite nodule, carbonaceous.
Steenkool, gemeng, met 'n paar pirietknolle.		10	—		**Coal,** mixed, with a few pyrite nodules.
Skalie, koolstofhoudend, steenkoolagtig by onderent.	1	5	—		Shale, carbonaceous, coaly at bottom.
Matkool, met 'n bietjie glanskool by onderent, korrelrig in middel; bevat 'n 2-dm. pirietknol 19 dm. van bo af.	2	4	—		**Coal,** dull, with a little bright coal at bottom, granular in middle; contains a 2-in. pyrite nodule 19 in. from top.
Skalie, steenkoolagtig		10	—		Shale, coaly.
Matkool, met 'n bietjie glanskool en 'n paar pirietknolle.	4	7	—		**Coal,** dull, with a little bright coal and a few pyrite nodules.
Matkool, skalieagtig, met 1 dm. piriet 10 dm. van bo af.	1	11	—		**Coal,** dull, shaly, with 1 in. pyrite 10 in. from top.
Matkool, piriethoudend, plek-plek skalieagtig, kalsiethoudend; 1 dm. piriethoudende, koolstofhoudende skalielaag by onderent.	3	0	—		**Coal,** dull, pyritic, shaly in places, calcitic; 1 in. pyritic, carbonaceous shale band at bottom.
Glanskool en skalieagtige steenkool.		4	—		**Coal,** bright, and shaly coal.
Matkool, met enkele dun glanskoollagies.	1	7	—		**Coal,** dull, with an occasional thin bright coal band.
Kleiagtige, koolstofhoudende laag met fusiet.		1	—		Muddy, carbonaceous band with fusian.
Steenkool; hoofsaaklik matkool, met 'n 4-dm. lagie gemengde steenkool in die middel.	2	4	—		**Coal;** mainly dull coal, with a 4-in. band mixed coal in middle.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Steenkool; matkoollae en glanskoollae afwisselend; hoofsaaklik glanskool; kalsiethoudend.	2	10	275	9	**Coal;** bright coal bands, and dull bands alternating; mainly bright coal; calcitic.
Sandsteen, fynkorrelrig, gelaag, mikadraend, vaalkleurig; onderste paar voet is middel- tot grofkorrelrig afwisselend met fyngelaagde sandsteen.	12	11	—		Sandstone, fine-grained, laminated, micaceous, greyish; bottom few feet is medium- to coarse-grained alternating with fine-grained laminated sandstone.
Skalie, koolstofhoudend, en steenkoolagtige skalielae om die beurt.	4	8	293	4	Shale, carbonaceous, and coaly shale bands, alternating.
Matkool, skalieagtig, piriethoudend, met 'n 2-dm. pirietlaag 13 dm. van onder af.	2	9	—		**Coal,** dull, shaly, pyritic, with a 2-in. pyrite band 13 in. from bottom.
Matkool	2	0	—		**Coal,** dull.
Steenkool, skalieagtig en piriethoudend by onderent.		5	—		**Coal,** shaly and pyritic at bottom.
Matkool, met 'n bietjie glanskool by onderent.	1	5	—		**Coal,** dull, with some bright coal at bottom.
Steenkool, skalieagtig, erg piriethoudend en bevat fusiet.		3	—		**Coal,** shaly, very pyritic and contains fusian.
Matkool, plek-plek skalieagtig.	2	8	—		**Coal,** dull, shaly in places.
Steenkool, vuil, vaal, kalsiet- en piriethoudend.		3	—		**Coal,** dirty, grey, calcitic and pyritic.
Steenkool, gemeng; hoofsaaklik matkool.	1	2	—		**Coal,** mixed, mainly dull.
Steenkool, gemeng, met 'n 2-dm. vuil kalsiethoudende skalielagie 7 dm. van onder af.	1	3	305	6	**Coal,** mixed, with a 2-in. dirty calcitic shale band 7 in. from bottom.
Sandsteen, fyn- tot effens grofkorrelrig, vaal tot swart, wit en veldspaties; gelaag waar dit fynkorrelrig is.	36	6	—		Sandstone, fine-grained to slightly coarse-grained, grey to black, white and felspathic; laminated where it is fine-grained.
Matkool, glansend, met 'n gladde, vertikale breuk.	3	3	—		**Coal,** dull, lustrous, with a clean vertical break.
Steenkool; hoofsaaklik matkool.		9	—		**Coal;** mainly dull.
Pirietlaag, skalieagtig		2	—		Pyrite band, shaly.
Steenkool, gemeng; onderste 2 dm. is fyngelaag en lyk soos gaskool.	1	0	347	2	**Coal,** mixed, bottom 2 in. finely banded and "gas"-like.
Sandsteen, fyngelaag, vaal, mikadraend.	1	6	—		Sandstone, finely laminated, grey, micaceous.
Sandsteen	2	4	351	0	Sandstone.

BOORGAT 47 : TURFVLAKTE 1358 : BOREHOLE 47

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 86	N.G.	19	78 10	N.S.
	Glanskool; fyngelaagde 3-dm. tot 5-dm. lae met skalieagtige dele en steenkoolagtige skalielae met fyngelaagde glanskoollagies, afwisselend.	39	—	Coal; bright, finely banded 3-in. to 5-in. bands with shaly portions, and coaly shale bands with finely banded bright coal bands, alternating.
	N.G.	3	—	N.S.
	Glanskool, fyngelaag, met skalieagtige dele.	10	—	Coal, bright, finely banded, with shaly portions.
	N.G.	17	84 7	N.S.
P 87	N.G.	17	104 2	N.S.
B	Steenkool, soos gaskool, en skalieagtig by onderent.	5	—	Coal, "gas"-like, and shaly at bottom.
	Glanskool	3	—	Coal, bright.
	N.G.	9	—	N.S.
	N.G.	19	—	N.S.
	N.G.	251	—	N.S.
	N.G.	29	—	N.S.
	N.G.	14	—	N.S.
A	Glanskool, gelaag, met 'n paar skalieagtige lae; glanskoollae bevat piriet- en sideriet-korrels.	37	134 9	Coal, bright, banded, with a few shaly bands; bright coal bands contain pyrite and siderite pellets.
P 88	N.G.	12	171 10	N.S.
A	Glanskool, gelaag en kalsiethoudend.	8	—	Coal, bright, banded and calcitic.
	N.G.	5	—	N.S.
	Glanskool, gelaag, kalsiethoudend, glyvlakke by onderent.	22	174 9	Coal, bright, banded, calcitic, slip planes at bottom.
P 89	N.G.	79	193 10	N.S.
C	Steenkool; lae van glanskool, matkool, skalieagtige steenkool en skalie om die beurt en van variërende dikte.	101	—	Coal; bright coal, dull coal, shaly coal and shale in alternating bands of varying width.
	N.G.	7	—	N.S.
B	Steenkool, gemeng, plek-plek skalieagtig.	15	—	Coal, mixed, shaly in places.
A	Steenkool; lae van glanskool, matkool en skalieagtige steenkool om die beurt.	8	—	Coal; bright coal, dull coal and shaly coal in alternating bands.
	N.G.	2	—	N.S.
	Steenkool; hoofsaaklik glanskool; kalsiethoudend.	12	—	Coal; mainly bright coal; calcitic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
A	Skalie, koolstofhoudend (ingesluit).	1½	—	Shale, carbonaceous (included).
	Glanskool	1½	—	Coal, bright.
	N.G.	4	—	N.S.
	Glanskool, kalsiethoudend.	4	—	Coal, bright, calcitic.
	N.G.	2	—	N.S.
	Glanskool, piriethoudend.	2	—	Coal, bright, pyritic.
	N.G.	46	211 0	N.S.
P 90	N.G.	13	227 3	N.S.
	Steenkool; hoofsaaklik kalsiethoudende en piriethoudende matkool.	27	—	Coal; mainly dull calcitic and pyritic coal.
	N.G.	45	233 3	N.S.
P 91	N.G.	42	246 11	N.S.
K	Matkool, kalsiethoudend in middel en bevat piriet by bo-ent.	28	—	Coal, dull, calcitic in middle and contains pyrites at top.
	N.G.	4	—	N.S.
	N.G.	10	—	N.S.
J	Matkool, met 'n bietjie glanskool by bo-ent en onderent.	35	—	Coal, dull, with a little bright coal at top and bottom.
	N.G.	4	—	N.S.
H	Steenkool, gemeng, met 'n paar pirietknolle.	10	—	Coal, mixed, with a few pyrite nodules.
	N.G.	17	—	N.S.
G	Matkool, met 'n bietjie glanskool by onderent; korrelrig in middel; 'n 2-dm. pirietknol 19 dm. van bo af uitgesluit.	28	—	Coal, dull, with a little bright coal at bottom; granular in middle; a 2-in. pyrite nodule 19 in. from top excluded.
	N.G.	10	—	N.S.
F	Matkool, met 'n bietjie glanskool en 'n paar pirietknolle.	55	—	Coal, dull, with a little bright coal and a few pyrite nodules.
E	Matkool, skalieagtig, met 1 dm. piriet 10 dm. van bo af uitgesluit.	23	—	Coal, dull, shaly, with 1 in. pyrite 10 in. from top excluded.
D	Matkool, piriethoudend, plek-plek skalieagtig; kalsiethoudend; 'n 1-dm. piriet- en koolstofhoudende skalielaag by onderent uitgesluit.	36	—	Coal, dull, pyritic, shaly in places; calcitic; a 1-in. pyritic and calcitic shale band at bottom excluded.
	N.G.	4	—	N.S.
C	Matkool, met enkele dun glanskoollagies.	19	—	Coal, dull, with an occasional thin bright coal band.
	N.G.	1	—	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth		Nature of strata
		Dm. In.	*Vt. Ft.*	*Dm. In.*	
B	**Steenkool;** hoofsaaklik matkool, met 'n 4-dm. lagie gemengde steenkool in die middel.	28	—		**Coal;** mainly dull coal, with a 4-in. band mixed coal in middle.
A	**Steenkool;** matkoollae glanskoollae afwisselend; hoofsaaklik glanskool; kalsiethoudend.	34	275	9	**Coal;** bright and dull coal bands alternating; mainly bright coal; calcitic.
	N.G.	155	288	8	N.S.
P 92	N.G.	56	293	4	N.S.
F	**Matkool,** skalieagtig, piriethoudend; 'n 2-dm. pirietlaag 13 dm. van onder af uitgesluit.	33	—		**Coal,** dull, shaly, pyritic; a 2-in. pyrite band 13 in. from bottom excluded.
E	**Matkool**	24	—		**Coal,** dull.
	N.G.	5	—		N.S.
D	**Matkool,** met 'n bietjie glanskool by onderent.	17	—		**Coal,** dull, with some bright coal at bottom.
	N.G.	3	—		N.S.
C	**Matkool,** plek-plek skaagtig.	32	—		**Coal,** dull, shaly in places.
	N.G.	3	—		N.S.
B	**Steenkool,** gemeng; hoofsaaklik matkool.	14	—		**Coal,** mixed, mainly dull.
A	**Steenkool,** gemeng, met 'n 2-dm. vuil kalsiethoudende skalielagie 7 dm. van onder af uitgesluit.	15	305	6	**Coal,** mixed, with a 2-in. dirty calcitic shale band 7 in. from bottom excluded.
P 93	**Sandsteen** (N.G.) ...	—	342	0	**Sandstone** (N.S.).
B	**Matkool,** glansend, met 'n gladde vertikale breuk.	39	—		**Coal,** dull, lustrous, with a clean vertical break.
	Steenkool; hoofsaaklik matkool.	9	—		**Coal;** mainly dull.
	N.G.	2	—		N.S.
A	**Steenkool,** gemeng, onderste 2 dm. is fyngelaag en lyk soos gaskool.	12	347	2	**Coal,** mixed, bottom 2 in. finely banded and "gas"-like.

BOORGAT 47 : TURFVLAKTE 1358 : BOREHOLE 47

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V. w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
P 86	49	—	—	—	—	2·2	30·6	28·1	39·1	—	37·0	9·1	54·8	14·7	4	3
P 87 B	9	—	—	—	10·7	2·3	24·4	30·8	42·5	—	—	—	—	—	—	—
A	37	—	—	—	10·7	2·3	23·9	31·0	42·8	—	54·9	7·1	68·5	11·2	4½	3½
P 88	30	—	—	—	11·7	2·5	17·9	32·7	46·9	—	72·9	7·9	81·4	9·6	3½	3
P 89 C	101	—	—	—	—	2·4	32·4	23·9	41·3	—	—	—	39·8	12·4	—	1Ag
B	15	—	—	—	—	2·1	30·3	24·4	43·2	—	22·9	8·4	—	—	1Ag	—
A	29	—	—	—	11·9	2·3	17·1	32·3	48·3	—	66·9	5·3	76·0	7·3	4	3½
P 90	27	—	—	—	—	2·2	29·2	23·2	45·4	—	—	—	—	—	—	—
P 91 K	28	—	—	—	—	2·0	43·0	16·9	38·1	—	—	—	—	—	—	—
J	35	—	—	—	10·5	2·5	23·4	20·2	53·9	—	32·9	6·2	67·6	10·6	1Ag	F
H	10	—	—	—	11·5	2·3	18·8	27·2	51·7							
G	26	—	—	—	10·9	2·5	19·8	21·0	56·7							
F	55	—	—	—	11·5	2·6	17·7	22·6	57·1	—	46·5	6·5	76·6	10·2	F	—
E	22	—	—	—	—	2·1	28·8	20·5	48·6	—	20·7	6·6	55·2	12·5	F	—
D	35	—	—	—	10·5	2·4	24·4	19·9	53·3							
C	19	—	—	—	11·9	2·4	16·5	21·2	59·9	—	39·9	7·0	82·5	11·8	F	—
B	28	—	—	—	12·6	2·5	12·1	24·6	60·8	—	69·5	5·5	89·5	8·1	F	—
A	34	—	—	—	12·8	2·4	11·7	29·1	56·8	—	77·7	5·5	89·9	7·4	2	1½Ag

Bg. 47 (*Verv.*) B.H. 47 (*Contd.*)

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal) V. w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.) Dryfsel, 1·45 Float, 1·45 Op-brengs Yield %	Dryfsel, 1·45 Float, 1·45 As Ash %	Dryfsel, 1·58 Float, 1·58 Op-brengs Yield %	Dryfsel, 1·58 Float, 1·58 As Ash %	Sw.-syfer Swelling number Dryfsel Float 1·45	Sw.-syfer Swelling number Dryfsel Float 1·58
P 92 F	31	—	—	—	—	1·8	35·7	18·7	43·8	—	—	—	—	—	—	—
E	24	—	—	—	10·6	2·1	23·9	18·5	55·5							
D	17	—	—	—	11·9	2·3	15·7	22·4	59·6	—	26·5	6·3	61·8	11·8	1Ag	F
C	32	—	—	—	10·2	2·2	25·4	18·5	53·9							
B	14	—	—	—	12·5	2·3	13·1	24·0	60·6							
A	13	—	—	—	13·2	2·3	9·9	28·8	59·0	—	65·8	5·6	92·7	8·8	1Ag	1Ag
P 93 B	48	—	—	—	11·9	2·5	16·7	20·2	60·6							
A	12	—	—	—	12·3	2·1	15·4	28·5	54·0	—	40·5	6·2	83·9	11·6	F	—

BOORGAT 48 : DAARBY 1369 : BOREHOLE 48

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Grond	3	0	3	0	Soil.
Oppervlaktekalksteen	6	0	9	0	Limestone, surface.
Lawa (Stormberg)	401	9	410	9	Lava (Stormberg).
Sandsteen, wit (Holkranssandsteen).	15	3	426	0	Sandstone, white (Cave sandstone).

BOORGAT 49 : LEEUWDRIFT 1370 : BOREHOLE 49

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Grond		6	—		Soil.
Moddersteen (stampboor) ...	69	6	70	0	Mudstone (jumper drill).
Skalie, koolstofhoudend, met enkele dun steenkoollagies.	11	6	81	6	Shale, carbonaceous, with a few thin coal bands.
Steenkool; hoofsaaklik glanskool; effens piriethoudend.	1	8	—		**Coal;** mainly bright coal; slightly pyritic.
Skalie, vaal	3	6	—		Shale, grey.
Skalie, koolstofhoudend, met glanskoolstrepies.		8	—		Shale, carbonaceous, with bright coal stringers.
Steenkool; hoofsaaklik glanskool.		10	—		**Coal;** mainly bright coal.
Skalie, koolstofhoudend		4	—		Shale, carbonaceous.
Steenkool; glanskoollagies en skalieagtige steenkoollagies om die beurt; bevat 'n 4-dm. koolstofhoudende skalielaag met glanskoolstrepies 9 dm. van onder af; plek-plek piriethoudend.	3	8	—		**Coal;** bright coal bands and shaly coal bands alternating; contains a 4-in. carbonaceous shale band with bright coal stringers 9 in. from bottom; pyritic in parts.
Skalie, koolstofhoudend, met 'n paar steenkoollagies.	2	7	—		Shale, carbonaceous, with a few coal bands.
Glanskool, piriethoudend, met skalieagtige dele by bo-ent.		11	96	0	**Coal,** bright, pyritic, with shaly portions towards top.
Skalie, koolstofhoudend, met enkele steenkoollagies.	3	7	99	7	Shale, carbonaceous, with an occasional thin coal band.
Glanskoollagies en koolstofhoudende skalielagies om die beurt.	1	0	—		**Coal;** bright coal and carbonaceous shale in alternating thin bands.
Steenkool; hoofsaaklik glanskool; effens piriethoudend.	2	3	—		**Coal;** mainly bright coal; slightly pyritic.
Skalie, koolstofhoudend, met dun steenkoollagies.	4	2	—		Shale, carbonaceous, with thin coal bands.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Glanskoollagies en koolstofhoudende skalielagies om die beurt; piriethoudend.	1	6	—		**Coal**; bright coal and carbonaceous shale in alternating thin bands; pyritic.
Steenkool; hoofsaaklik gelaagde glanskool; piriethoudend.	3	0	—		**Coal**; mainly bright, banded coal; pyritic.
Skalie; piriethoudend en steenkoolagtig in middel.	1	4	—		Shale; pyritic and coaly in middle.
Steenkool; hoofsaaklik glanskool; plek-plek gelaag; bevat 'n 4-dm. koolstofhoudende skalielaag met glanskoolstrepies 14 dm. van onder af. Bros by onderent waar 'n paar glyvlakke voorkom.	3	2	116	0	**Coal**; mainly bright coal; banded in places; contains a 4-in. carbonaceous shale band with bright coal stringers 14 in. from bottom. Brittle at bottom where a few slip planes occur.
Skalie, koolstofhoudend, en steenkool; skalie ver oorwegend.	15	0	131	0	Shale, carbonaceous, and coal; shale greatly in excess.
Glanskool, gelaag, met 'n 1½-dm. koolstofhoudende skalielaag 5 dm. van bo af. (Kern gebreek by bo-ent.)	1	6	—		**Coal**, bright, banded, with a 1½-in. carbonaceous shale band 5 in. from top. (Core broken at top.)
Skalie, koolstofhoudend		7	—		Shale, carbonaceous.
Glanskool, gelaag, met 2 dm. koolstofhoudende skalie 8 dm. van bo af; plek-plek skalieagtig; kalsiet- en piriethoudend.	1	5	—		**Coal**, bright, banded, with 2 in. carbonaceous shale 8 in. from top; shaly in parts; calcitic and pyritic.
Skalie, koolstofhoudend; steenkoolagtig by onderent.		9	—		Shale, carbonaceous; coaly at bottom.
Glanskool, gelaag; bevat plek-plek skalieagtige dele; piriethoudend veral by bo-ent; 1½ dm. koolstofhoudende skalie 9 dm. van bo af.	2	9	—		**Coal**, bright, banded; contains shaly portions in places; pyritic especially at top; 1½ in. carbonaceous shale 9 in. from top.
Glanskool, effens piriethoudend en bevat baie siderietkorrels.	1	3	—		**Coal**, bright, slightly pyritic and contains many siderite pellets.
Skalie, koolstofhoudend; bevat kalsiethoudende glanskoolare.		3	—		Shale, carbonaceous; contains calcitic, bright coal veins.
Skalie, koolstofhoudend, met baie 1-dm. tot 5-dm. steenkoollagies.	10	6	—		Shale, carbonaceous, with many 1-in. to 5-in. coal bands.
Glanskool, gelaag, met skalieagtige dele en is kalsiethoudend by bo-ent; piriethoudend.	1	8	151	8	**Coal**, bright, with shaly portions and is calcitic at top; pyritic.
Skalie, koolstofhoudend, met steenkoollagies.	3	9	—		Shale, carbonaceous, with thin coal bands.
Steenkool; hoofsaaklik gelaagde glanskool.		7	—		**Coal**; mainly banded, bright coal.
Skalie, koolstofhoudend, met enkele glanskoolstrepies.		2½	—		Shale, carbonaceous, with occasional bright coal stringers.
Glanskool, fyngelaag, erg piriethoudend, met baie skalieagtige dele.		7	—		**Coal**, bright, finely banded, very pyritic, with many shaly portions.
Skalie, koolstofhoudend		2½	157	0	Shale, carbonaceous.
Steenkool; hoofsaaklik glanskool; kalsiet- en erg piriethoudend, met 'n 2-dm. koolstofhoudende skalielaag 12 dm. van bo af.	1	10	—		**Coal**; mainly bright coal; calcitic and very pyritic and with a 2-in. carbonaceous shale band 12 in. from top.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, koolstofhoudend, met enkele kalsiethoudende glanskoolstrepies.		11	—		Shale, carbonaceous, with an occasional calcitic bright coal stringer.
Steenkoollagies, erg skalieagtig, en glanskoollagies om die beurt; meer glanskool na onder waar die laag kalsiethoudend en effens piriethoudend is.	3	7	—		**Coal,** very shaly, and bright coal in thin alternating bands; brighter towards bottom where the seam is calcitic and slightly pyritic.
Skalie, koolstofhoudend, met enkele glanskoolstrepies.		9	—		Shale, carbonaceous, with an occasional bright coal stringer.
Skalie, koolstofhoudend, skalieagtige steenkool en glanskool in lae van variërende dikte; piriethoudend na onder; klein siderietkorreltjies naby onderent.	7	6	—		Shale, carbonaceous, shaly coal and bright coal in bands of varying thickness; pyritic towards bottom; small siderite pellets near bottom.
Skalie, koolstofhoudend, met twee 2-dm. lae van glanskool en skalie.	1	7	—		Shale, carbonaceous, with two 2-in. bands of bright coal and shale.
Skalie, koolstofhoudend, skalieagtige steenkool en glanskool; skalie oorwegend.	17	2	190	4	Shale, carbonaceous, shaly coal and bright coal; mainly shale.
Steenkool, skalieagtig, en glanskool; piriethoudend.	1	1	191	5	**Coal,** shaly, and bright coal; pyritic.
Skalie, koolstofhoudend, glanskool en skalieagtige steenkool; piriethoudend.	14	0	205	5	Shale, carbonaceous, bright coal and shaly coal; pyritic.
Glanskool; hoofsaaklik fyngelaag, met 'n ¼-dm. skalielagie by onderent.	1	7	—		**Coal,** bright; mainly finely banded, with a ¼-in. shale band at bottom.
Glanskool, met baie siderietkorrels.		11	—		**Coal,** bright, with many siderite pellets.
Skalie, koolstofhoudend, met enkele glanskoolstrepies.		9	—		Shale, carbonaceous, with a few bright coal stringers.
Glanskool, gelaag, kalsiethoudend, met koolstofhoudende skalielae.		9	—		**Coal,** bright, banded, calcitic, with carbonaceous shale bands.
Skalie, koolstofhoudend, met paar steenkoollagies van 1 dm. tot 6 dm. dikte.	17	5	226	10	Shale, carbonaceous, with a few thin coal bands 1 in. to 6 in. thick.
Glanskool, met siderietkorrels; vuil en piriethoudend na onder; 1 dm. skalie 10 dm. van bo af.	2	0	—		**Coal,** bright, with siderite pellets; dirty and pyritic towards bottom; 1 in. shale 10 in. from top.
Skalie, koolstofhoudend	1	0	—		Shale, carbonaceous.
Glanskool, met skalieagtige dele bo-aan.		7	—		**Coal,** with shaly portions towards top.
Skalie, koolstofhoudend		2	—		Shale, carbonaceous.
Glanskool		1	—		**Coal,** bright.
Skalie, koolstofhoudend, met steenkoollagies; glyvlak by bo-ent.	16	7	—		Shale, carbonaceous, with thin coal bands; slip plane at top.
Steenkool; hoofsaaklik glanskool; piriet- en kalsiethoudend, met glyvlakke.	1	4	248	7	**Coal;** mainly bright; pyritic and calcitic, with slip planes.
Skalie, koolstofhoudend, en steenkool; piriet- en kalsiethoudend.		6	—		Shale, carbonaceous, and coal; pyritic and calcitic.

Bg. 49 (*Verv.*) B.H. 49 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, koolstofhoudend, met dun steenkoollagies; plek-plek piriethoudend; 'n paar glyvlakke is aanwesig.	22	5	271	6	Shale, carbonaceous, with thin coal bands; pyritic in places; a few slip planes are present.
Steenkool; hoofsaaklik matkool; skalieagtig en piriethoudend.	5	11	—		Coal; mainly dull; shaly and pyritic.
Skalie, koolstofhoudend, met glanskoolstrepies.		4	—		Shale, carbonaceous, with bright stringers.
Matkool, met 3 dm. piriethoudende glanskool 4 dm. van onder af en 1 dm. skalie 11 dm. van bo af.	2	2	—		Coal, dull, with 3 in. pyritic bright coal 4 in. from bottom and 1 in. shale 11 in. from top.
Skalie, koolstofhoudend		11	—		Shale, carbonaceous.
Skalie, piriethoudend, en vuil steenkool.		5	—		Shale, pyritic, and dirty coal.
Matkool, skalieagtig, gemengde steenkool en glanskool, almal in taamlike breë lae om die beurt; plek-plek kalsiet- en piriethoudend; 2 dm. skalie 35 dm. van bo af.	5	8	—		Coal, dull, shaly, mixed coal and bright coal, all in fairly wide alternating bands; calcitic and pyritic in places; 2 in. shale 35 in. from top.
Skalie, koolstofhoudend, met 'n paar dun steenkoollagies.	18	4	—		Shale, carbonaceous, with a few thin coal bands.
Steenkool; hoofsaaklik skalieagtige matkool; erg piriethoudend; kalsiethoudend.	2	2	—		Coal; mainly dull and shaly; very pyritic; calcitic.
Skalie, koolstofhoudend, met glanskoolstrepies.		7	—		Shale, carbonaceous, with bright coal stringers.
Steenkool; hoofsaaklik matkool; erg piriethoudend.	2	10	—		Coal; mainly dull; very pyritic.
Skalie, koolstofhoudend, met glanskoolstrepies.		6	—		Shale, carbonaceous, with bright coal stringers.
Glanskool, gelaag, piriethoudend.		6	311	10	Coal, bright, banded, pyritic.
Skalie, koolstofhoudend, met enkele dun steenkoollagies.	5	10	—		Shale, carbonaceous, with an occasional bright coal band.
Skalie, koolstofhoudend, en skalieagtige steenkool.		11	—		Shale, carbonaceous, and shaly coal.
Matkool, skalieagtig, met 'n bietjie glanskool in middel.	1	8	—		Coal, dull and shaly, with some bright coal in middle.
Skalie, koolstofhoudend, met glanskoollagies.		11	—		Shale, carbonaceous, with bright coal bands.
Steenkool; hoofsaaklik matkool; korrelrig in middel; plek-plek skalieagtig, kalsiet- en piriethoudend.	6	1	—		Coal; mainly dull; granular in middle; shaly, calcitic and pyritic in places.
Matkool, plek-plek skalieagtig	3	9	—		Coal, dull, shaly in places.
Matkool, plek-plek glansend ...	4	2	—		Coal, dull, lustrous in places.
Skalie, piriethoudend		3	—		Shale, pyritic.
Matkool, met 'n bietjie glanskool.	2	11	—		Coal, dull, with a little bright coal.
Pirietlaag		4	—		Pyrite band.
Steenkool, gemeng; plek-plek hoofsaaklik glanskool; piriet- en kalsiethoudend.	3	10	342	6	Coal, mixed; mainly bright coal in places; pyritic and calcitic.
Sandsteen, fynkorrelrig, gelaag, mikadraend, swart tot vaalswart.	9	3	—		Sandstone, fine-grained, laminated, micaceous, black to greyish black.
Sandsteen, middelkorrelrig, vuilswart.	2	1	—		Sandstone, medium-grained, dirty black.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Glanskool	0½	—	Coal, bright.
Sandsteen, middelkorrelrig, vuilswart.	8½	354 7	Sandstone, medium - grained, dirty black.
Skalie en skalieagtige steenkool, met glyvlakke.	8	355 3	Shale and shaly coal, with slip planes.
Steenkool; hoofsaaklik matkool.	3 3	—	Coal; mainly dull.
Kalsiethoudende, vuilvaal laag.	2	—	Calcitic, dirty grey band.
Steenkool; hoofsaaklik matkool; meer glansend by boent.	1 0	—	Coal; mainly dull; brighter at top.
Kalsiethoudende vuilvaal laag.	6	—	Calcitic, dirty grey band.
Matkool, met 'n paar lagies glanskool en gemengde steenkool; piriethoudend.	2 9	—	Coal, dull, with a few bands of bright coal and mixed coal; pyritic.
Kalsiethoudende, vuilvaal laag.	2	—	Calcitic, dirty grey band.
Steenkool; hoofsaaklik matkool; bevat gemengde steenkoollae en 'n 7-dm. kalsiethoudende vuilvaal laag 25 dm. van bo af.	4 8	367 9	Coal; mainly dull; contains mixed coal bands and a 7-in. calcitic dirty grey band 25 in. from top.
Sandsteen, skalieagtig, swart ...	1 5	—	Sandstone, shaly, black.
Sandsteen, fynkorrelrig, gelaag, mikadraend, swart tot vaalswart.	23 8	—	Sandstone, fine-grained, laminated, micaceous, black to grey black.
Sandsteen, skalieagtig, swart, mikadraend, met 'n paar middelkorrelrige sandsteenlagies.	2 9	—	Sandstone, shaly, black, micaceous, with a few medium-grained sandstone bands.
Sandsteen; skalieagtige en middel- tot grofkorrelrige lagies om die beurt; laasgenoemde is swart tot vaalswart.	8 9	404 0	Sandstone; shaly and medium- to coarse-grained bands, alternating; latter is black to greyish black.
Matkool; bevat plek-plek 'n bietjie glanskool en piriet.	5 6	409 10	Coal; dull; contains a little bright coal and pyrites in places.
Sandsteen, fynkorrelrig, swart tot vaalswart; onderste 12 dm. is skalieagtig en swart.	2 10	—	Sandstone, fine-grained, black to greyish black; bottom 12 in. is shaly and black.
Matkool	6	—	Coal, dull.
Sandsteen, fynkorrelrig, vaalswart.	10	414 0	Sandstone, fine-grained, greyish black.

BOORGAT 49 : LEEUWDRIFT 1370 : BOREHOLE 49

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 157	N.G.	138	81 6	N.S.
D	**Steenkool;** hoofsaaklik glanskool; effens piriethoudend.	20	—	Coal; mainly bright coal; slightly pyritic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
D	N.G.	42	—	N.S.
	N.G.	8	—	N.S.
C	**Steenkool**; hoofsaaklik glanskool.	10	—	**Coal**; mainly bright coal.
	N.G.	4	—	N.S.
B	**Steenkool**; glanskoollagies en skalieagtige steenkoollagies om die beurt; 'n 4-dm. koolstofhoudende skalielaag met dun glanskoollagies 9 dm. van onder af is uitgesluit; plek-plek piriethoudend.	44	—	**Coal**; bright coal bands and shaly coal bands alternating; a 4-in. carbonaceous shale band with bright coal stringers 9 in. from bottom is excluded; pyritic in parts.
	N.G.	31	—	N.S.
A	**Glanskool**; piriethoudend, met skalieagtige dele by bo-ent.	11	96 0	**Coal**, bright, pyritic, with shaly portions towards top.
P 158	N.G.	43	99 7	N.S.
E	**Glanskoollagies** en koolstofhoudende skalielagies, om die beurt.	12	—	**Coal**; thin bright bands and thin carbonaceous shale bands, alternating.
D	**Steenkool**; hoofsaaklik glanskool; effens piriethoudend.	27	—	**Coal**; mainly bright; slightly pyritic.
	N.G.	50	—	N.S.
C	**Glanskoollagies** en koolstofhoudende skalielagies om die beurt; piriethoudend.	18	—	**Coal**; thin bright bands and carbonaceous shale bands, alternating; pyritic.
B	**Steenkool**; hoofsaaklik gelaagde glanskool; piriethoudend.	36	—	**Coal**; mainly bright, banded coal; pyritic.
	N.G.	16	—	N.S.
A	**Steenkool**; hoofsaaklik glanskool; plek-plek gelaag; 'n 4-dm. koolstofhoudende skalielaag met glanskoolstrepies 14 dm. van onder af is uitgesluit; bros by onderent waar 'n paar glyvlakke voorkom.	38	116 0	**Coal**; mainly bright coal; banded in places; a 4-in. carbonaceous shale band with bright coal stringers 14 in. from bottom where a few slip planes occur.
P 159	N.G.	180	131 0	N.S.
E	**Glanskool**, gelaag; 1½ dm. koolstofhoudende skalie 5 dm. van bo af is uitgesluit.	18	—	**Coal**, bright, banded; 1½ in. carbonaceous shale 5 in. from top is excluded.
	N.G.	7	—	N.S.
D	**Glanskool**, gelaag, plek-plek skalieagtig; kalsiet- en piriethoudend; 2 dm. koolstofhoudende skalie 8 dm. van bo af is uitgesluit.	17	—	**Coal**, bright, banded, shaly in places; calcitic and pyritic; 2 in. carbonaceous shale 8 in. from top is excluded.
	N.G.	9	—	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
C	**Glanskool,** gelaag; bevat plek-plek skalieagtige dele, piriethoudend veral by boent; 1½ dm. koolstofhoudende skalie 9 dm. van bo af is uitgesluit.	33	—	**Coal,** bright, banded; contains shaly portions in places; 1½ in. carbonaceous shale 9 in. from top is excluded.
B	**Glanskool,** effens piriethoudend en bevat baie siderietkorrels.	15	—	**Coal,** bright, slightly pyritic and contains many siderite pellets.
	N.G.	3	—	N.S.
	N.G.	126	—	N.S.
A	**Glanskool,** gelaag, met skalieagtige dele en is kalsiethoudend by boent.	20	151 8	**Coal,** bright, banded, with shaly portions and is calcitic at top.
P 160	N.G.	2½	157 0	N.S.
	Steenkool; hoofsaaklik glanskool; kalsiet- en erg piriethoudend; 2 dm. koolstofhoudende skalie 12 dm. van bo af is uitgesluit.	22	158 10	**Coal;** mainly bright coal; calcitic and very pyritic; 2 in. carbonaceous shale 12 in. from top is excluded.
P 161	N.G.	168	205 5	N.S.
B	**Glanskool;** hoofsaaklik fyngelaag, met 'n ¼-dm. skalielagie by onderent.	19	—	**Coal,** bright; mainly finely banded, with a ¼-in. shale band at bottom.
A	**Glanskool,** met baie siderietkorrels.	11	207 11	**Coal,** bright, with many siderite pellets.
P 162	N.G.	209	226 10	N.S.
C	**Glanskool,** met siderietkorrels; vuil en piriethoudend na onder; 1 dm. skalie 10 dm. van bo af is uitgesluit.	24	—	**Coal,** bright, with siderite pellets; dirty and pyritic towards bottom; 1 in. shale 10 in. from top is excluded.
	N.G.	12	—	N.S.
B	**Glanskool,** met skalieagtige dele na bo.	7	—	**Coal,** bright, with shaly portions towards top.
	N.G.	2	—	N.S.
	N.G.	1	—	N.S.
	N.G.	199	—	N.S.
A	**Steenkool;** hoofsaaklik glanskool; piriet- en kalsiethoudend, met glyvlakke.	16	248 7	**Coal;** mainly bright; pyritic and calcitic, with slip planes.
P 180	N.G.	269	271 6	N.S.
F	**Steenkool;** hoofsaaklik matkool; skalieagtig en piriethoudend.	71	—	**Coal;** mainly dull; shaly and pyritic.
	N.G.	4	—	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. In.	*Vt. Dm. Ft. In.*	
E	**Matkool**, met 3 dm. piriethoudende glanskool 4 dm. van onder af en 1 dm. skalie 11 dm. van bo af.	26	—	Coal, dull, with 3 in. pyritic bright coal 4 in. from bottom and 1 in. shale 11 in. from top.
	N.G.	11	—	N.S.
	N.G.	5	—	N.S.
D	**Steenkool**; skalieagtige matkool, gemengde steenkool en glanskool, almal in taamlik breë lae om die beurt; plek-plek piriethoudend; 2 dm. skalie 35 dm. van bo af.	68	—	Coal; dull, shaly coal, mixed coal and bright coal, all in fairly wide alternating bands; calcitic and pyritic in places; 2 in. shale 35 in. from top.
	N.G.	220	—	N.S.
C	**Steenkool**; hoofsaaklik skalieagtige matkool; erg piriethoudend; kalsiethoudend.	26	—	Coal; mainly dull and shaly; very pyritic; calcitic.
	N.G.	7	—	N.S.
B	**Steenkool**; hoofsaaklik matkool; erg piriethoudend.	34	—	Coal; mainly dull; very pyritic.
A	N.G.	6	—	N.S.
	Glanskool, gelaag, piriethoudend.	6	311 10	Coal, bright, banded, pyritic.
P 181	N.G.	11	318 7	N.S.
F	**Matkool**, skalieagtig, met 'n bietjie glanskool in middel.	20	—	Coal, dull and shaly, with some bright coal in middle.
	N.G.	11	—	N.S.
E	**Steenkool**; hoofsaaklik matkool; korrelrig in middel; plek-plek skalieagtig, kalsiet- en piriethoudend.	73	—	Coal; mainly dull; granular in middle; shaly, calcitic and pyritic in places.
D	**Matkool**, plek-plek skalieagtig.	45	—	Coal, dull; shaly in places.
C	**Matkool**, plek-plek glansend.	50	—	Coal, dull; lustrous in places.
	N.G.	3	—	N.S.
B	**Matkool**, met 'n bietjie glanskool.	35	—	Coal, dull, with a little bright coal.
	N.G.	4	—	N.S.
A	**Steenkool**, gemeng; plek-plek hoofsaaklik glanskool; piriet- en kalsiethoudend.	46	342 6	Coal, mixed; mainly bright coal in places; pyritic and calcitic.
P 182	N.G.	8	355 3	N.S.
C	**Steenkool**; hoofsaaklik matkool.	39	—	Coal; mainly dull.
	N.G.	2	—	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
	Steenkool; hoofsaaklik matkool; meer glanskool by bo-ent.	12	—	Coal; mainly dull; brighter at top.
	N.G.	6	—	N.S.
B	Matkool, met 'n paar lagies glanskool en gemengde steenkool; piriethoudend.	33	—	Coal, dull, with a few bands of bright coal and mixed coal; pyritic.
	N.G.	2	—	N.S.
A	Steenkool; hoofsaaklik matkool; bevat gemengde steenkoollae; 'n 7-dm. kalsiethoudende vuilvaal laag 25 dm. van bo af is uitgesluit.	56	367 9	Coal, mainly dull; contains mixed coal bands; a 7-in. calcitic dirty grey band 25 in. from top is excluded.
P 183	N.G.	105	404 4	N.S.
	Matkool; bevat plek-plek 'n bietjie glanskool en piriet.	66	409 10	Coal, dull; contains a little bright coal and pyrites in places.
	N.G. (sandsteen) ...	—	—	N.S. (sandstone).

BOORGAT 49 : LEEUWDRIFT 1370 : BOREHOLE 49

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	Wastoets Washing Test			Kortanalises (Luggedroogde steenkool) Proximate Analyses (Air-dried coal)						Soortlike Gewig-Afskeiding (−16 maas B.S.S.) Specific Gravity Separation (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V. w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
P 157 D	20	—	—	—	11·5	2·8	19·7	32·4	45·1	—	62·6	9·8	87·5	15·1	4	4
C	10	—	—	—	—	2·4	34·3	27·1	36·2	—	—	—	—	—	—	—
B	40	—	—	—	—	2·3	37·7	26·1	33·9	—	—	—	—	—	—	—
A	11	—	—	—	—	2·5	23·6	32·3	41·6	—	58·2	7·7	—	—	4	—
P 158 E	12	—	—	—	—	2·2	31·5	29·2	37·1	—	—	—	—	—	—	—
D	27	—	—	—	12·1	2·7	15·1	34·6	47·6	—	76·8	8·6	91·9	11·5	4½	4
C	18	—	—	—	—	2·1	33·5	27·7	36·7	—	—	—	—	—	—	—
B	36	—	—	—	11·6	2·5	18·5	33·4	45·6	—	65·0	8·0	84·5	12·4	4½	3½
A	34	—	—	—	11·1	2·4	22·2	32·2	43·2	—	63·2	7·5	74·7	10·6	4½	4½
P 159 E	16½	—	—	—	10·8	2·8	23·0	30·5	43·7							
D	15	—	—	—	—	2·6	29·1	29·0	39·3	—	52·3	8·7	74·1	14·6	4	3½
C	31½	—	—	—	10·8	2·8	23·9	30·8	42·5							
B	15	—	—	—	—	2·4	30·7	34·1	32·8	—	41·8	8·6	58·5	12·6	5½	5
A	20	—	—	—	10·7	2·5	24·1	31·0	42·4	—	50·8	8·9	72·1	13·9	3½	3½
P 160	20	—	—	—	—	2·6	24·5	30·6	42·3	—	53·1	8·3	69·0	12·3	4½	2
P 161 B	19	—	—	—	11·3	2·9	19·1	35·1	42·9	—	63·7	10·1	86·2	14·2	4½	4½
A	11	—	—	—	—	2·6	29·0	39·0	29·4	—	50·7	7·0	60·1	10·3	6	3½
P 162 C	23	—	—	—	10·0	2·6	24·8	35·4	37·2	—	56·8	5·7	65·5	8·5	4½	3½
B	7	—	—	—	12·0	2·9	16·0	35·2	45·9	—	73·2	5·8	81·2	8·0	4½	4
A	16	—	—	—	11·2	2·9	19·6	32·8	44·7	—	66·3	8·2	77·7	10·7	4½	4

No. van B.N.I.-monster F.R.I sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V. w. Cal. val. lb./lb.	H₂O %	As Ash	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
P 180 F	71	—	—	—	—	2·5	31·1	21·5	44·9	—	—	—	—	—	—	—
E	26	—	—	—	—	2·1	40·4	20·8	36·7	—	—	—	—	—	—	—
D	68	—	—	—	10·5	2·4	24·7	27·1	45·8	—	42·6	6·7	—	—	2½	—
C	26	—	—	—	—	2·2	37·8	19·6	40·4	—	—	—	—	—	—	—
B	34	—	—	—	—	2·3	32·0	21·6	44·1	—	—	—	—	—	—	—
A	6	—	—	—	11·5	2·6	19·2	31·8	46·4	—	65·2	8·0	79·4	10·9	2½	2
P 181 F	20	—	—	—	—	2·9	22·1	18·7	56·3	—	44·5	3·3	—	—	P	—
E	73	—	—	—	—	2·9	24·8	20·0	52·3	—	33·0	4·7	55·4	9·0	P	—
D	45	—	—	—	—	2·9	26·7	18·7	51·7	—	—	—	55·2	12·4	—	F
C	50	—	—	—	10·4	2·8	24·0	18·5	54·7	—	12·9	7·4	60·9	15·5	F	—
B	35	—	—	—	10·9	2·7	21·0	21·0	55·3	—	28·1	7·0	—	—	F	—
A	46	—	—	—	12·3	2·8	13·6	27·1	56·5	—	68·0	5·2	84·9	7·5	1½Ag	1Ag
P 182 C	39	—	—	—	11·8	2·7	16·2	22·5	58·6	—	—	—	86·3	12·2	—	F
B	45	—	—	—	11·2	2·8	20·3	21·9	55·0	—	—	—	71·0	11·6	—	F
A	49	—	—	—	12·6	3·0	12·4	24·3	60·3	—	—	—	92·5	9·6	—	F
P 183	66	—	—	—	11·4	2·7	19·0	21·8	56·5	—	31·9	7·0	74·5	12·4	1Ag	F

BOORGAT 50 : GROOTEGELUK 1360 : BOREHOLE 50

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Moddersteen	35 0	—	Mudstone.
Skalie, koolstofhoudend, met 'n paar dun steenkoollagies. ...	14 0	49 0	Shale, carbonaceous, with a few thin shale bands.
Steenkool; hoofsaaklik glanskool; bevat plek-plek dun skalieagtige lagies en 'n 5-dm. koolstofhoudende skalielaag 8 dm. van bo af.	3 0	—	**Coal;** mainly bright; contains thin shaly bands in parts and a 5-in. carbonaceous shale band 8 in. from top.
Skalie, koolstofhoudend, met steenkoollagies.	14 1½	—	Shale, carbonaceous, with coal bands.
Steenkool; hoofsaaklik glanskool; bevat plek-plek dun fusietlagies; effens piriethoudend (kern gebreek in die middel).	1 2	—	**Coal;** mainly bright coal; contains thin fusain bands in parts; slightly pyritic (core broken in middle).
Skalie, koolstofhoudend, en steenkool; skalie is ver oorwegend.	2 10½	—	Shale, carbonaceous, and coal; shale is far in excess.
Steenkool; hoofsaaklik glanskool; piriethoudend naby middel; bevat dun skalieagtige lagies na bo.	3 5	73 7	**Coal;** mainly bright; pyritic near middle; contains thin shaly bands towards top.
Skalie, koolstofhoudend, met enkele dun steenkoollagies.	1 9	—	Shale, carbonaceous, with a few thin coal bands.
Steenkool; skalieagtige lagies en glanskoollagies om die beurt; hoofsaaklik eersgenoemde; piriethoudend.	3 9	79 1	**Coal;** shaly coal and bright coal in alternating bands; former predominating; pyritic.
Steenkool; hoofsaaklik glanskool; gelaag en piriethoudend.	3 1	—	**Coal;** mainly bright coal; banded and pyritic.
Skalie, koolstofhoudend, met glanskoolstrepies.	3	—	Shale, carbonaceous, with thin bright coal stringers.
Steenkool; hoofsaaklik gelaagde glanskool; piriethoudend.	5 6	—	**Coal;** mainly banded, bright coal; pyritic.
Skalie, koolstofhoudend	9	—	Shale, carbonaceous.
Steenkool; hoofsaaklik gelaagde kalsiethoudende glanskool met bruinerige poeieragtige are (B.N.I.).	9	—	**Coal;** mainly banded, calcitic bright coal with brownish powdery veins (F.R.I.).
Skalie, koolstofhoudend	3½	—	Shale, carbonaceous.
Glanskool	2½	—	**Coal,** bright.
Skalie, koolstofhoudend	3	—	Shale, carbonaceous.
Steenkool; hoofsaaklik gelaagde, kalsiethoudende glanskool, met bruinerige poeieragtige are (B.N.I.).	1 8	91 10	**Coal;** mainly banded, calcitic, bright coal, with brownish powdery veins (F.R.I.).
Skalie, koolstofhoudend, met dun steenkoollagies.	3 1	94 11	Shale, carbonaceous, with thin coal bands.
Steenkool; hoofsaaklik fyngelaagde glanskool met skalieagtige dele naby bo-ent; glyvlakke teenwoordig.	1 0	—	**Coal;** mainly finely banded bright coal with shaly portions near top; slip planes present.
Skalie, koolstofhoudend, met enkele dun glanskoollagies.	2 4	—	Shale, carbonaceous. with a few thin bright coal bands.
Steenkool; hoofsaaklik gelaagde glanskool; fyngelaag in middel; bevat klein sideriet-korreltjies by onderent waar steenkool effens piriethoudend is.	3 2	—	**Coal;** mainly banded bright, coal; finely banded in middle; contains small siderite pellets at bottom where coal is slightly pyritic.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, vaal en koolstofhoudend, met dun steenkoollagies; glyvlak in boonste 1 dm.	3	2	—		Shale, grey and carbonaceous, with thin coal bands; slip plane in top 1 in.
Skalie, koolstofhoudend, skalieagtige steenkool en glanskool om die beurt; piriet- en kalsiethoudend.	1	2	—		Shale, carbonaceous, shaly coal and bright coal alternating; pyritic and calcitic.
Steenkool; hoofsaaklik gelaagde glanskool met baie sideriet-korrels naby onderent; effens piriet- en kalsiethoudend.	2	8	108	5	**Coal;** mainly banded bright coal with many siderite pellets near bottom; slightly pyritic and calcitic.
Piriet en koolstofhoudende skalie.		1	—		Pyrite and carbonaceous shale.
Skalie, koolstofhoudend, met 'n paar steenkoollagies van 2 dm. tot 6 dm. dikte.	10	9	119	3	Shale, carbonaceous, with a few coal bands 2 in. to 6 in. thick.
Steenkool; afwisselende dun lagies glanskool en skalieagtige steenkool; piriethoudend.		8	—		**Coal;** bright coal and shaly coal in alternating thin bands; pyritic.
Skalie, koolstofhoudend	1	2	—		Shale, carbonaceous.
Steenkool; breë skalieagtige steenkoollae en glanskoollae, om die beurt.	2	3	—		**Coal;** wide shaly coal bands and bright coal bands, alternating.
Skalie, koolstofhoudend	1	3	—		Shale, carbonaceous.
Steenkool; hoofsaaklik gelaagde glanskool; kalsiethoudend by onderent.	1	2	125	9	**Coal;** mainly banded bright coal; calcitic at bottom.
Skalie; koolstofhoudende lae en glanskoollae om die beurt; gemeng met dun skalieagtige lagies.	23	5	—		Shale; carbonaceous bands and bright coal bands, alternating; mixed with thin shaly bands.
Skalie, koolstofhoudend, met dun steenkoollagies.	10	0	—		Shale, carbonaceous, with thin coal bands.
Steenkool; hoofsaaklik gelaagde glanskool, met breë skalieagtige lae.	1	3	—		**Coal;** mainly banded bright coal, with wide shaly bands.
Skalie, koolstofhoudend		7	—		Shale, carbonaceous.
Steenkool; hoofsaaklik glanskool, met dun en breë skalieagtige lae om die beurt; piriethoudend.	1	5	—		**Coal;** mainly bright coal, with alternating thin and wide shaly bands; pyritic.
Skalie, koolstofhoudend, met 'n paar dun steenkoollagies.	4	0	166	5	Shale, carbonaceous, with a few thin coal bands.
Steenkool; hoofsaaklik dungelaagde glanskool, met skalieagtige lae; piriethoudend.	1	9	—		**Coal;** mainly thinly banded bright coal with shaly bands; pyritic.
Skalie; breë koolstofhoudende lae en breë glanskoollae om die beurt, met skalieagtige lagies.	4	11	—		Shale; wide carbonaceous bands alternating with wide bright coal bands, with thin shaly bands.
Skalie, koolstofhoudend		11	—		Shale, carbonaceous.
Steenkool; hoofsaaklik gelaagde glanskool; erg sideriethoudend na onder, met 'n 1-dm. skalieagtige lagie 11 dm. van onder af; piriethoudend.	2	10	—		**Coal;** mainly bright banded coal; very sideritic towards bottom, with a 1-in. shaly band 11 in. from bottom; pyritic.
Skalie, koolstofhoudend, met 'n paar 1-dm. tot 6-dm. steenkoollagies.	12	0	—		Shale, carbonaceous, with a few 1-in. to 6-in. coal bands.

Aard van lae	Dikte verkry Thickness recovered *Vt.* *Ft.*	*Dm.* *In.*	Ware diepte True depth *Vt.* *Ft.*	*Dm.* *In.*	Nature of strata
Skalie; breë koolstofhoudende skalielae en breë piriethoudende, gelaagde glanskoollae om die beurt.	4	7	—		Shale, carbonaceous, and pyritic, banded bright coal in wide alternating bands.
Steenkool; hoofsaaklik gelaagde glanskool, met dun skalieagtige lagies en siderietkorrels naby bo-ent en 2 dm. skalie 8 dm. van onder af.	1	10	195	3	**Coal;** mainly banded bright coal, with thin shaly bands and siderite pellets near top and 2 in. shale 8 in. from bottom.
Skalie, koolstofhoudend	2	1	197	4	Shale, carbonaceous.
Glanskool, piriethoudend ...		9	—		**Coal,** bright, pyritic.
Skalie, koolstofhoudend, met glanskoolstrepies.		4	—		Shale, carbonaceous, with bright coal stringers.
Glanskool, plek-plek met skalieagtige dele; erg piriethoudend.		10	—		**Coal,** bright, with shaly portions in parts; very pyritic.
Skalie, koolstofhoudend, steenkoolagtige skalie en skalieagtige steenkool, met enkele glanskoollagies van 1 dm. tot 8 dm. dikte.	30	7	—		Shale, carbonaceous, coaly shale and shaly coal, with a few bright coal bands 1 in. to 8 in. thick.
Glanskool, piriethoudend ...		10	230	8	**Coal,** bright, pyritic.
Skalie, koolstofhoudend, met 'n paar steenkoollagies.	7	0	—		Shale, carbonaceous, with a few coal bands.
Skalie, koolstofhoudend, en steenkoolagtige skalie, met enkele glanskoolstrepies en glanskoollae.	26	5	264	1	Shale, carbonaceous, and coaly shale, with a few bright coal stringers and bright coal bands.
Glanskool, plek-plek met skalieagtige dele; 2 dm. vaal skalie 19 dm. van bo af.	2	10	266	11	**Coal,** bright, with shaly parts in places; 2 in. grey shale 19 in. from top.
Sandsteen, fynkorrelrig, mikadraend, swart.	6	3	—		Sandstone, fine-grained micaceous, black.
Sandsteen, wit, kwartsieties, piriethoudend.	1	7	—		Sandstone, white, quartzitic, pyritic.
Sandsteen, swart, koolstofhoudend.	1	1	275	10	Sandstone, black, carbonaceous.
Skalie, koolstofhoudend	9	0	—		Shale, carbonaceous.
Skalie, steenkoolagtig, met 'n piriethoudende laag by onderent.	1	11	—		Shale, coaly, with a pyritic band at bottom.
Skalie, fossieldraend, vaal ...	2	11	—		Shale, fossiliferous, grey.
Skalie, koolstofhoudend, en steenkoolagtige skalie.	1	3	—		Shale, carbonaceous, and coaly shale.
Skalie, koolstofhoudende skalie, steenkoolagtige skalie en skalieagtige steenkool; plek-plek erg piriethoudend.	7	9	—		Shale, carbonaceous shale, coaly shale and shaly coal; very pyritic in places.
Skalie, koolstofhoudend, met 'n paar steenkoollae van 5 dm. dikte; onderste 30 dm. is ligbruin.	7	9	306	5	Shale, carbonaceous, with a few 5-in. coal bands; bottom 30 in. light brown.
Matkool, met 'n paar skalieagtige steenkoollae; bevat groot pirietknolle.	5	6	—		**Coal,** dull, with a few shaly coal bands; contains big pyrite nodules.
Steenkool; hoofsaaklik glanskool, baie bros en bevat baie glyvlakke.		11	—		**Coal;** mainly bright coal, very brittle and contains many slip planes.
Matkool, glansend, nie gelaag; bevat 'n piriethoudende lagie.	1	4	—		**Coal,** dull, lustrous, non-banded; contains a pyritic band.
Matkool, met 'n 1-dm. koolstofhoudende laag in middel.	1	9	—		**Coal,** dull, with a 1-in. carbonaceous band in middle.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sandsteenagtige laag. — B.N.I. (Bevat vermoedelik baie siderietkorrels—J.F.C.)		5	—		Stoney band.—F.R.I. (Presumably intensely siderite-spotted.—J.F.C.)
Matkool, glansend	3	6	—		Coal, dull, lustrous.
Skalie, vaal		3	—		Shale, grey.
Matkool, nie-gelaag	3	0	—		Coal, dull, non-banded.
Skalie, piriethoudend, met 'n korrelagtige voorkoms.		4	—		Shale, pyritic, with a granular appearance.
Matkool, piriethoudend by onderent; bevat 'n paar glanskoolstrepies.	2	1	—		Coal, dull, pyritic at bottom; contains a few bright coal stringers.
Kalsiethoudende en koolstofhoudende laag.		5	—		Calcitic and carbonaceous band.
Steenkool; hoofsaaklik gelaagde glanskool; dowwer by boent.	4	3	330	6	Coal; mainly banded, bright coal; duller at top.
Sandsteen, vaal tot swart, fynkorrelrig, plek-plek skalieagtig.	5	1	—		Sandstone, grey to black, fine-grained, shaly in places.
Sandsteen, middel- tot grofkorrelrig, vaal tot swart en baie hard.	2	8	338	3	Sandstone, medium- to coarse-grained, grey to black and very hard.
Glanskool, gelaag		8	—		Coal, bright, banded.
Sandsteen, koolstofhoudend ...		4	—		Sandstone, carbonaceous.
Matkool, skalieagtig		2	—		Coal, dull, shaly.
Skalie, vaal		2	—		Shale, grey.
Matkool, met 'n paar glanskoolstrepies.	2	8	—		Coal, dull, with a few bright coal stringers.
Kalsiet- en koolstofhoudende laag.		3	—		Calcitic and carbonaceous band.
Steenkool; hoofsaaklik matkool; piriethoudend.	2	4	—		Coal; mainly dull; pyritic.
Kalsiet-, piriet- en koolstofhoudende laag.		3	—		Calcitic, pyritic and carbonaceous band.
Steenkool; hoofsaaklik matkool.	4	4	—		Coal; mainly dull.
Kalsiet- piriet- en koolstofhoudende laag.		3			Calcitic, pyritic and carbonaceous band.
Steenkool; hoofsaaklik gelaagde glanskool; meer glansend na onder.	2	7	352	3	Coal; mainly banded, bright coal; brighter towards bottom.
Sandsteen, fyn- tot middelkorrelrig, vaal tot wit en bruinerig; plek-plek mikadraend; kruisgelaag.	23	0	—		Sandstone, fine- to medium-grained, grey to white and brownish; micaceous in places; cross-bedded.
Sandsteen, fyn- tot grofkorrelrig, gelaag, vaal tot wit, plek-plek effens skalieagtig, mikadraend en kruisgelaag.	12	8	—		Sandstone, fine- to coarse-grained, laminated, grey to white, slightly shaly in places, micaceous and cross-bedded.
Sandsteen, middel- tot grofkorrelrig, vaal, veldspaties.	4	5	—		Sandstone, medium- to coarse-grained, grey, feldspathic.
Sandsteen, vaal tot swart, middel-korrelrig, met 'n 4-dm. steenkoollaag.	1	5	393	9	Sandstone, grey to black, medium-grained, with a 4-in. coal band.
Matkool, piriethoudend	3	4	—		Coal, dull, pyritic.
Sandsteen, fynkorrelrig, gelaag, mikadraend, swart, met 'n koolstofhoudende skalielagie in onderste 4 dm.		11	—		Sandstone, fine-grained, laminated, micaceous, black, with a carbonaceous shale band in bottom 4 in.
Matkool		8	398	8	Coal, dull.
Sandsteen, fyn- tot middelkorrelrig, vaal tot wit.	5	4	404	0	Sandstone, fine- to medium-grained, grey to white.

BOORGAT 50 : GROOTEGELUK 1360 : BOREHOLE 50

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 210	N.G.	16	49 0	N.S.
C	**Steenkool;** hoofsaaklik glanskool; bevat plek-plek dun skalieagtige lagies; 5 dm. koolstofhoudende skalie 8 dm. van bo af uitgesluit.	36	—	**Coal;** mainly bright; contains thin shaly bands in parts; 5 in. carbonaceous shale 8 in. from top excluded.
	N.G.	169½	—	N.S.
B	**Steenkool;** hoofsaaklik glanskool; bevat plek-plek dun fusietlagies; effens piriethoudend (kern gebreek in die middel).	14	—	**Coal;** mainly bright coal; contains thin fusain bands in parts; slightly pyritic (core broken in middle).
	N.G.	34½	—	N.S.
A	**Steenkool;** hoofsaaklik glanskool; piriethoudend naby middel; bevat dun skalieagtige lagies na bo.	41	73 7	**Coal;** mainly bright coal; pyritic near middle; contains thin shaly bands towards top.
P 211	N.G.	45	79 1	N.S.
C	**Steenkool;** hoofsaaklik glanskool; gelaag en piriethoudend.	37	—	**Coal;** mainly bright coal; banded and pyritic.
	N.G.	3	—	N.S.
B	**Steenkool;** hoofsaaklik gelaagde glanskool; piriethoudend.	66	—	**Coal;** mainly banded, bright coal; pyritic.
	N.G.	9	—	N.S.
A	**Steenkool;** hoofsaaklik gelaagde, kalsiethoudende glanskool, met bruinerige poeieragtige are—B.N.I.	9	—	**Coal;** mainly banded, calcitic, bright coal, with brownish powdery veins—F.R.I.
	N.G.	3½	—	N.S.
	N.G.	2½	—	N.S.
	N.G.	3	—	N.S.
	Steenkool; hoofsaaklik gelaagde, kalsiethoudende glanskool, met bruinerige, poeieragtige are.—B.N.I.	20	91 10	**Coal;** mainly banded, calcitic, bright coal, with brownish powdery veins—F.R.I.
P 212	N.G.	37	94 11	N.S.
C	**Steenkool;** hoofsaaklik fyngelaagde glanskool met skalieagtige dele naby bo-ent; glyvlakke teenwoordig.	12	—	**Coal;** mainly finely banded bright coal, with shaly portions near top; slip planes present.
	N.G.	28	—	N.S.
B	**Steenkool;** hoofsaaklik gelaagde glanskool; fyngelaag in middel; bevat klein sideriet-korreltjies by onderent waar steenkool effens piriethoudend is.	38	—	**Coal;** mainly banded, bright coal; finely banded in middle; contains small siderite pellets at bottom where coal is slightly pyritic.
	N.G.	38	—	N.S.
	N.G.	14	—	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
A	**Steenkool**; hoofsaaklik gelaagde glanskool, met baie siderietkorrels naby onderent; effens piriet- en kalsiethoudend.	32	108 5	**Coal**; mainly banded, bright coal, with many siderite pellets near bottom; slightly pyritic and calcitic.
P 213	N.G.	129	119 3	N.S.
B	**Steenkool**; afwisselende dun lagies glanskool en skalieagtige steenkool; piriethoudend.	8	—	**Coal**; bright coal and shaly coal in alternating thin bands; pyritic.
	N.G.	14	—	N.S.
	N.G.	27	—	N.S.
	N.G.	15	—	N.S.
A	**Steenkool**; hoofsaaklik gelaagde glanskool; kalsiethoudend by onderent.	14	125 9	**Coal**; mainly banded, bright coal; calcitic at bottom.
P 214	N.G.	48	166 5	N.S.
C	**Steenkool**; hoofsaaklik dungelaagde glanskool, met skalieagtige lae; piriethoudend.	21	—	**Coal**; mainly thinly banded bright coal, with shaly bands; pyritic.
	N.G.	59	—	N.S.
	N.G.	11	—	N.S.
B	**Steenkool**; hoofsaaklik gelaagde glanskool; erg sideriethoudend na onder; ’n 1-dm. skalieagtige laag 11 dm. van onder af uitgesluit; piriethoudend.	34	—	**Coal**; mainly banded bright coal; very sideritic towards bottom; a 1-in. shaly band 11 in. from bottom excluded; pyritic.
	N.G.	144	—	N.S.
	N.G.	55	—	N.S.
A	**Steenkool**; hoofsaaklik gelaagde glanskool met dun skalieagtige lagies en siderietkorrels naby bo-ent; 2 dm. skalie 8 dm. van onder af uitgesluit.	22	195 3	**Coal**; mainly banded bright coal with thin shaly bands and siderite pellets near top; 2 in. shale 8 in. from bottom excluded.
P 267	N.G.	25	—	N.S.
B	**Glanskool**, piriethoudend.	9	—	**Coal**, bright, pyritic.
	N.G.	4	—	N.S.
	Glanskool, plek-plek met skalieagtige dele; erg piriethoudend.	10	—	**Coal**, bright, shaly portions in parts; very pyritic.
	N.G.	367	—	N.S.
A	**Glanskool**, piriethoudend.	10	230 8	**Coal**, bright, pyritic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 268	N.G.	317	264 1	N.S.
	Glanskool, plek-plek met skalieagtige dele; 2-dm. vaal skalie 19 dm. van bo af uitgesluit.	34	266 11	**Coal**, bright, shaly portions in parts; 2 in. grey shale 19 in. from top excluded.
P 269	N.G.	93	306 5	N.S.
H	**Matkool**, met 'n paar skalieagtige steenkoollae; bevat groot pirietknolle.	66	—	**Coal**, dull, with a few shaly coal bands; contains big pyrite nodules.
G	**Steenkool**; hoofsaaklik glanskool; baie bros en bevat baie glyvlakke.	11	—	**Coal**; mainly bright coal; very brittle and contains many slip planes.
F	**Matkool**, glansend, nie-gelaag.	16	—	**Coal**, dull, lustrous, non-banded.
	N.G.	4	—	N.S.
E	**Matkool**, met 'n 1-dm. koolstofhoudende laag in middel.	21	—	**Coal**, dull, with a 1-in. carbonaceous band in middle.
	N.G.	5	—	N.S.
D	**Matkool**, glansend ...	42	—	**Coal**, dull, lustrous.
	N.G.	3	—	N.S.
C	**Matkool**, nie-gelaag ...	36	—	**Coal**, dull, non-banded.
	N.G.	4	—	N.S.
B	**Matkool**, piriethoudend by onderent; bevat 'n paar glanskoolstrepies.	25	—	**Coal**, dull, pyritic at bottom; contains a few bright coal stringers.
	N.G.	5	—	N.S.
A	**Steenkool**; hoofsaaklik gelaagde glanskool; dowwer by bo-ent.	51	330 6	**Coal**; mainly banded, bright coal; duller at bottom.
P 270	N.G.	32	338 3	N.S.
E	**Glanskool**, gelaag ...	8	—	**Coal**, bright, banded.
	N.G.	4	—	N.S.
	N.G.	2	—	N.S.
	N.G.	2	—	N.S.
D	**Matkool**, met 'n paar glanskoolstrepies.	32	—	**Coal**, dull, with a few bright coal stringers.
	N.G.	3	—	N.S.
C	**Steenkool**; hoofsaaklik matkool; piriethoudend.	28	—	**Coal**; mainly dull; pyritic.
	N.G.	3	—	N.S.
B	**Steenkool**; hoofsaaklik matkool.	52	—	**Coal**; mainly dull.
	Kalsiethoudende, piriethoudende laag.	3	—	Calcitic, pyritic band.
A	**Steenkool**; hoofsaaklik gelaagde glanskool; meer glansend na onder.	31	352 3	**Coal**; mainly banded, bright coal; brighter towards bottom.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 270	N.G.	15	393 9	N.S.
F	Matkool, piriethoudend.	40	—	Coal, dull, pyritic.
	N.G.	11	—	N.S.
	Matkool	8	398 8	Coal, dull.

BOORGAT 50 : GROOTEGELUK 1360 : BOREHOLE 50

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V. w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45 Op-brengs Yield %	Dryfsel, 1·45 Float, 1·45 As Ash %	Dryfsel, 1·58 Float, 1·58 Op-brengs Yield %	Dryfsel, 1·58 Float, 1·58 As Ash %	Sw.-syfer Swelling number Dryfsel Float 1·45	Sw.-syfer Swelling number Dryfsel Float 1·58
P 210 C	31	—	—	—	11·3	2·9	20·9	32·4	43·8	—	59·1	10·5	84·8	16·3	4½	4½
B	14	—	—	—	11·9	3·0	16·9	33·5	46·6	—	69·9	7·5	85·2	10·9	4½	4½
A	41	—	—	—	11·4	2·8	20·3	33·6	43·3	—	63·7	8·8	82·1	13·1	4½	5
P 211 C	37	—	—	—	11·2	2·8	20·8	32·4	44·0							
B	66	—	—	—	11·5	3·0	18·5	34·0	44·5	—	63·5	8·2	81·8	12·0	5½	5
A	29	—	—	—	12·0	3·1	15·8	33·5	47·6	—	74·6	7·7	86·9	10·5	5	4½
P 212 C	12	—	—	—	—	2·4	27·7	30·5	39·4	—	—	—	—	—	—	—
B	38	—	—	—	11·7	2·8	18·4	33·7	45·1	—	68·5	9·7	84·1	11·7	5	4½
A	32	—	—	—	11·3	2·6	20·3	35·0	42·1	—	63·9	8·5	79·4	12·1	5	4½
P 213 B	8	—	—	—	10·5	2·5	25·4	28·8	43·3	—	—	—	—	—	—	—
A	14	—	—	—	11·5	2·7	19·6	32·5	45·2	—	—	—	—	—	—	—
P 214 C	21	—	—	—	—	2·2	27·4	30·6	39·8	—	—	—	—	—	—	—
B	33	—	—	—	10·2	2·2	26·4	36·2	35·2	—	52·7	9·2	68·5	13·5	5½	4½
A	20	—	—	—	10·7	2·4	23·2	31·9	42·5	—	—	—	—	—	—	—
P 267 B	19	—	—	—	11·7	1·9	18·5	32·7	46·9	—	67·8	7·7	80·2	9·9	5	4½
A	10	—	—	—	12·5	2·0	14·7	32·8	30·5	—	79·0	7·7	—	—	4½	—
P 268	32	—	—	—	11·1	1·9	21·7	30·7	45·7	—	54·2	6·4	—	—	3	—
P 269 H	66	—	—	—	11·7	2·9	16·0	20·9	60·2	—	—	—	77·2	8·1	—	F
G	11	—	—	—	11·5	2·4	17·6	23·7	56·3	—	—	—	72·7	6·6	—	P
F	16	—	—	—	7·9	2·1	37·3	18·3	42·3	P	—	—	—	—	—	—
E	21	—	—	—	—	2·0	27·1	19·2	51·7	—	—	—	54·4	13·3	—	P
D	42	—	—	—	10·7	2·4	22·4	20·0	55·2							
C	36	—	—	—	10·3	2·0	25·1	18·6	54·3	—	—	—	65·0	12·0	—	F
B	25	—	—	—	11·0	2·1	22·5	19·5	55·9							
A	51	—	—	—	12·8	2·3	11·4	26·7	59·6	—	55·2	7·7	91·6	8·0	1½Ag	1Ag

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V. w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
P 270 E	8	—	—	—	13·6	2·5	7·9	31·8	57·8	3½	—	—	—	—	—	—
D	32	—	—	—	11·6	2·3	19·4	20·7	57·6	—	—	—	75·3	12·7	—	F
C	28	—	—	—	12·3	2·4	15·7	22·8	59·1	—	—	—	84·3	9·9	—	F
B	52	—	—	—	11·6	2·3	19·1	23·0	55·6	—	—	—	76·9	11·6	—	1Ag
A	31	—	—	—	12·7	2·6	11·2	26·6	59·6	—	70·4	5·9	93·5	8·7	1Ag	1Ag
F	48	—	—	—	10·4	1·9	25·8	21·6	50·0	—	—	—	63·4	12·6	—	F

GIDSGATE STAMPBOOR		GUIDE HOLES JUMPER DRILL	
Plaas: DAARBY 1369		*Farm:* DAARBY 1369	
Boorgatnommers	*Diepte en aard van lae*	*Borehole numbers*	*Depth and nature of strata*
No. 51	70 vt. Beaufort-moddersteen	No. 51	70 ft. Beaufort mudstone.
No. 52	40 vt. Stormberg-lawa.	No. 52	40 ft. Stormberg lava.
No. 55	30 vt. Stormberg-lawa.	No. 55	30 ft. Stormberg lava.
Plaas: GOEDEHOOP 1372		*Farm:* GOEDEHOOP 1372	
Boorgatnommers	*Diepte en aard van lae*	*Borehole numbers*	*Depth and nature of strata*
No. 56	25 vt. Stormberg-lawa	No. 56	25 ft. Stormberg lava.
No. 58	10 vt. Stormberg-lawa.	No. 58	10 ft. Stormberg lava.
No. 59	15 vt. Beaufort-moddersteen.	No. 59	15 ft. Beaufort mudstone.
No. 60	30 vt. Stormberg-lawa.	No. 60	30 ft. Stormberg lava.
No. 61	35 vt. Stormberg-lawa.	No. 61	35 ft. Stormberg lava.
No. 62	15 vt. Stormberg-lawa.	No. 62	15 ft. Stormberg lava.
No. 63	30 vt. Stormberg-lawa.	No. 63	30 ft. Stormberg lava.
No. 64	50 vt. Stormberg-lawa.	No. 64	50 ft. Stormberg lava.
Plaas: GRAAFWATER 1382		*Farm:* GRAAFWATER 1382	
Boorgatnommers	*Diepte en aard van lae*	*Borehole numbers*	*Depth and nature of strata*
No. 65	40 vt. Holkranssandsteen.	No. 65	40 ft. Cave sandstone.
No. 66	50 vt. Holkranssandsteen.	No. 66	50 ft. Cave sandstone.

BOORGAT 53 : DAARBY 1369 : BOREHOLE 53

Gidsgat — Guide hole

Kern 3½ dm. — Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Sandsteen, fynkorrelrig ... ... (Rooi-lae?) (stampboor).	48	0	48	0	Sandstone, fine-grained. (Red beds?) (jumper drill).
Sandsteen, ligpienk, baie fynkorrelrig, met verspreide sandkorrels.	2	0	—		Sandstone, light pink, very fine-grained, with scattered sandgrains.
Sandsteen, pienk, baie fynkorrelrig, met verspreide sandkorrels tot 1/16 dm. deursnee.	7	3	57	3	Sandstone, pink, very fine-grained, with scattered sandgrains up to 1/16 in. diameter.
Sandsteen, pienk, fyn- tot middelkorrelrig, met 'n kleibindmateriaal wat heelwat groterige kwartskorrels bevat; bevat ook heelwat wit sanderige kleiknolle. (Molteno-lae).	2	7	—		Sandstone, pink, fine- to medium-grained, with a clay matrix which contains fairly big quartz grains; contains also many white sandy nodules. (Molteno beds).
Sandsteen, pienk, middel- tot grofkorrelrig, met heelwat kwartskorrels tot ½ dm. deursnee; bevat baie wit, sanderige kleiknolle.	12	0	—		Sandstone, pink, medium- to coarse-grained, with many quartz grains up to ½ in. diameter; contains many white sandy clay nodules.
Sandsteen, wit, veldspaties, middel- tot grofkorrelrig.	5	4	—		Sandstone, white, feldspathic, medium- to coarse-grained.
Sandsteen, pienk; onderste 3 vt. 0 dm. is fynkorrelrig en effens veldspaties en res is middel- tot grofkorrelrig.	8	10	—		Sandstone, pink; bottom 3 ft. 0 in. is fine-grained and slightly pyritic, and remainder is medium- to coarse-grained.
Sandsteen, fynkorrelrig, maar plek-plek ook grofkorrelrig; wit en geelbruin met 'n paar vaalkleurige modderknolle wat glyvlakke toon.	15	0	—		Sandstone, fine-grained, but also coarse-grained in places; white and yellowish brown with a few buff-coloured clay nodules which show slickensides.
Sandsteen, vaalwit en gryspienk, grof- en middelkorrelrig.	7	10	—		Sandstone, buff-white and greyish pink; coarse- and medium-grained.
Sandsteen, fyn- tot grofkorrelrig, vaalwit, geelbruin en gryspienk, met 'n duidelike helling van ongeveer 10°.	6	2	114	0	Sandstone, fine- to coarse-grained, greyish white, yellowish brown and greyish pink, with a distinct dip of approximately 10°.
Skuuroppervlaktes asook kliewinge met 45° hellings verskyn oral in die Molteno-lae en plek-plek in die Rooi-lae.	—		—		Slickensides as well as cleavages with dips of 45° appear everywhere in the Molteno beds and in parts in the Red beds.

BOORGAT 54 : MC CABES VLEY 1371 : BOREHOLE 54

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	Dm. In.	Vt. Ft.	Dm. In.	
Grond	2	0	—		Soil.
Oppervlaktekalksteen	1	0	—		Limestone, surface.
Moddersteen? (stampboor)	69	0	72	0	Mudstone? (jumper drill).
Glanskool, gelaag, en skalieagtige steenkool; 2 dm. skalie 12 dm. van bo af en 1 dm. skalie 23 dm. van bo af.	2	0	—		**Coal,** bright, banded, and shaly coal; 2 in. shale 12 in. from top and 1 in. shale 23 in. from top.
Skalie, koolstofhoudend		9	—		Shale, carbonaceous.
Glanskool, gelaag	3	0	—		**Coal,** bright, banded.
Glanskool, met baie siderietkorrels en 2 dm. skalie 4 dm. van bo af.	1	6	79	3	**Coal,** bright, with many siderite pellets and 2 in. shale 4 in. from top.
Skalie, koolstofhoudend, met enkele steenkoollagies.	7	6	86	9	Shale, carbonaceous, with an occasional coal band.
Glanskool, gelaag, en koolstofhoudende skalie; 3-dm. en 6-dm. skalielae 3 dm. en 16 dm. van bo af respektiewelik en ½ dm. vaal skalie 52 dm. van bo af.	6	3	—		**Coal,** bright, banded, and carbonaceous shale; 3-in. and 6-in. shale bands 3 in. and 16 in. from top respectively and ½ in. grey shale 52 in. from top.
Skalie, koolstofhoudend	1	10	—		Shale, carbonaceous.
Steenkool; hoofsaaklik gelaagde glanskool.	1	0	95	10	**Coal;** mainly banded, bright coal.
Skalie, koolstofhoudend, gelaagde glanskool en skalieagtige steenkool; skalie ver oorwegend; bevat plek-plek siderietkorrels; kalsiet- en piriethoudend.	41	11	137	9	Shale, carbonaceous, banded bright coal and shaly coal; shale far in excess; contains siderite pellets in parts; calcitic and pyritic.
Glanskool, gelaag; met skalieagtige dele; piriethoudend.	2	1	—		**Coal,** bright, banded, with shaly parts; pyritic.
Skalie, koolstofhoudend, met 'n paar dun steenkoollagies.	6	4	—		Shale, carbonaceous, with a few coal thin bands.
Glanskool, gelaag, piriethoudend.	1	3	—		**Coal,** bright, banded, pyritic.
Glanskool en sideriet, gemeng; erg piriethoudend.		11	—		**Coal,** bright, and siderite mixed; very pyritic.
Skalie, koolstofhoudend	1	10	—		Shale, carbonaceous.
Glanskool, gelaag, en koolstofhoudende skalie; baie glyvlakke kom voor.	1	0	150	4	**Coal,** bright, banded, and carbonaceous shale; many slip planes occur.
Skalie, koolstofhoudend, met enkele steenkoollae van 1 dm. tot 7 dm. dikte.	35	8	186	0	Shale, carbonaceous, with occasional coal bands of 1 in. to 7 in. width.
Glanskool, piriethoudend		5	—		**Coal,** bright, pyritic.
Skalie, koolstofhoudend, met glanskoolstrepies.		7	—		Shale, carbonaceous, with bright coal stringers.
Glanskool, gelaag, en skalie, met 'n 1-dm. skalielaag naby onderent.		11	—		**Coal,** bright, banded, and shale, with a 1-in. shale band near bottom.
Skalie, koolstofhoudend		2	—		Shale, carbonaceous.
Glanskool, pikagtig, kalsiethoudend.		3½	—		**Coal,** bright, pitchlike, calcitic.
Skalie, swart, met piriet		2	—		Shale, black, with pyrite.
Glanskool, gelaag, pikagtig, kalsiethoudend.		6½	189	1	**Coal,** bright, banded, pitchlike, calcitic.
Skalie, koolstofhoudend, steenkoolagtige skalie en skalieagtige steenkool, met enkele gelaagde glanskoollagies van 1 dm. tot 8 dm. dikte.	37	2	226	3	Shale, carbonaceous, coaly shale and shaly coal, with an occasional banded bright coal band of 1 in. to 8 in. width.

Bg. 54 (*Verv.*) B.H. 54 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Steenkool, skalieagtig	4	7	—		**Coal**, shaly.
Steenkool, gemeng, met 'n ½-dm. pirietlaag 15 dm. van bo af.	1	11	—		**Coal**, mixed, with a ½-in. pyrite band 15 in. from top.
Skalie, koolstofhoudend, en steenkool; skalie oorwegend; piriethoudend.	1	3	—		Shale, carbonaceous, and coal; mainly shale; pyritic.
Steenkool; hoofsaaklik matkool; meer glansend by bo-ent.	1	0	235	0	**Coal**; mainly dull coal; brighter at top.
Skalie, koolstofhoudend	1	0	236	0	Shale, carbonaceous.
Sandsteen, swart, grofkorrelrig, koolstofhoudend.	1	1	—		Sandstone, black, coarse-grained, carbonaceous.
Sandsteen, grys, grofkorrelrig.	3	7	—		Sandstone, grey, coarse-grained.
Skalie, koolstofhoudend, met steenkoollae.	8	6	—		Shale, carbonaceous, with coal bands.
Skalie, koolstofhoudend; piriethoudend by bo-ent.	3	5	—		Shale, carbonaceous; pyritic at top.
Glanskool; effens piriethoudend.		5	—		**Coal**, bright, slightly pyritic.
Skalie, sanderig		10	—		Shale, sandy.
Skalie, koolstofhoudend, met 'n 3-dm. steenkoollagie.	8	5	—		Shale, carbonaceous, with a 3-in. coal band.
Glanskool, piriethoudend ...		6½	—		**Coal**, bright, pyritic.
Skalie, koolstofhoudend, steenkoolagtige skalie en swart skalie; piriethoudend by onderent.	10	1½	—		Shale, carbonaceous, coaly shale and black shale; pyritic at bottom.
Skalie, bruinerig, en koolstofhoudende skalie.	2	4	—		Shale, brownish, and carbonaceous shale.
Sandsteen, vaal, fynkorrelrig ...		3	—		Sandstone, grey, fine-grained.
Skalie, bruinerig	2	10	—		Shale, brownish.
Skalie, koolstofhoudend, met 'n paar steenkoollagies.	1	10	—		Shale, carbonaceous, with a few coal bands.
Skalie, bruinerig; onderste 9 dm. is sanderig.	7	7	—		Shale, brownish; bottom 9 in. is sandy.
Sandsteen, grysbruin, mikadraend, plek-plek piriethoudend, fynkorrelrig.	8	3	—		Sandstone, greyish brown, micaceous, pyritic in places; fine-grained.
Sandsteen, middel- tot grofkorrelrig, is plek-plek 'n grintsteen; veldspaties; grys tot grysbruin.	31	3	327	3	Sandstone, medium- to coarse-grained, is a grit in places; felspathic, grey to greyish brown.
Steenkool, gemeng, fyngelaag ...	3	1	330	4	**Coal**, mixed, finely banded.
Sandsteen, vaal en swart gelaag.		8	—		Sandstone, grey and black, laminated.
Sandsteen, fyngelaag, fynkorrelrig, mikadraend, kruisgelaag, vaal tot swart.	8	0	399	0	Sandstone, finely laminated, fine-grained, micaceous, cross-bedded, grey to black.

BOORGAT 54 : MC CABES VLEY 1371 : BOREHOLE 54

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 272	Moddersteen (N.G.) ...	—	72 0	Mudstone (N.S.).
B	**Glanskool,** gelaag, en skalieagtige steenkool; 2 dm. skalie 12 dm. van bo af en 1 dm. skalie 23 dm. van bo af.	24	—	Coal, bright, banded, and shaly coal; 2 in. shale 12 in. from top and 1 in. shale 23 in. from top.
	N.G.	9	—	N.S.
A	**Glanskool,** gelaag ...	36	—	Coal, bright, banded.
	Glanskool, met baie siderietkorrels en 2 dm. skalie 4 dm. van bo af.	18	79 3	Coal, bright, with many siderite pellets and 2 in. shale 4 in. from top.
P 273	N.G.	90	86 9	N.S.
B	**Glanskool,** gelaag, en koolstofhoudende skalie; 3-dm. en 6-dm. skalielae 3 dm. en 16 dm. van bo af respektiewelik en ½ dm. vaal skalie 52 dm. van bo af.	75	—	Coal, bright, banded, and carbonaceous shale; 3-in. and 6-in. shale bands 3 in. and 16 in. from top respectively and ½ in. grey shale 52 in. from top.
	N.G.	22	—	N.S.
A	**Steenkool;** hoofsaaklik gelaagde glanskool.	12	95 10	Coal; mainly banded bright coal.
P 274	N.G.	503	137 9	N.S.
C	**Glanskool,** gelaag, met skalieagtige dele; piriethoudend.	25	—	Coal, bright, banded, with shaly portions; pyritic.
	N.G.	76	—	N.S.
B	**Glanskool,** gelaag, piriethoudend.	15	—	Coal, bright, pyritic.
	N.G.	11	—	N.S.
	N.G.	12	—	N.S.
A	**Glanskool,** gelaag, en koolstofhoudende skalie; baie glyvlakke kom voor.	12	150 4	Coal, bright, pyritic, and carbonaceous shale; many slip planes occur.
P 275	N.G.	428	186 0	N.S.
A	**Glanskool,** piriethoudend.	5	—	Coal, bright, pyritic.
	Skalie, koolstofhoudend, met glanskoolstrepies.	7	—	Shale, carbonaceous, with bright coal stringers.
	Glanskool, gelaag, en skalie, met 1 dm. skalie naby onderent.	11	—	Coal, bright, banded, and shale, with 1 in. shale near bottom.
	Skalie, koolstofhoudend.	2	—	Shale, carbonaceous.
	Glanskool, pikagtig, kalsiethoudend.	3½	—	Coal, bright, pitch-like, calcitic.
	Skalie, swart, met piriet.	2	—	Shale, black, with pyrite.
	Glanskool, gelaag, pikagtig, kalsiethoudend.	6½	189 1	Coal, bright, banded, pitch-like, calcitic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 276	N.G.	446	226 3	N.S.
C	Steenkool, skalieagtig.	55	—	Coal, shaly.
B	Steenkool, gemeng, met 'n ½-dm. pirietlaag 15 dm. van bo af.	23	—	Coal, mixed, with a ½-in. pyrite band 15 in. from top.
	N.G.	15	—	N.S.
A	Steenkool; hoofsaaklik matkool; meer glansend by bo-ent.	12	235 0	Coal; mainly dull coal; brighter at top.
P 277	N.G.	41	252 7	N.S.
C	Glanskool, effens piriethoudend.	5	—	Coal, bright, slightly pyritic.
	N.G.	111	—	N.S.
B	Glanskool, piriethoudend.	6½	—	Coal, bright, pyritic.
	N.G.	773½	327 3	N.S.
A	Steenkool, gemeng, fyngelaag.	37	330 4	Coal, mixed, finely banded.

BOORGAT 54 : MC CABES VLEY 1371 : BOREHOLE 54

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
		Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45 Opbrengs Yield %	Dryfsel, 1·45 Float, 1·45 As Ash %	Dryfsel, 1·58 Float, 1·58 Opbrengs Yield %	Dryfsel, 1·58 Float, 1·58 As Ash %	Sw.-syfer Swelling number Dryfsel Float 1·45	Sw.-syfer Swelling number Dryfsel Float 1·58
P 272 B_1	—	−1	1·45	27·3	12·2	2·8	15·5	33·3	48·4	3½	74·5	6·9	88·7	10·7	2	3½
B_2	—	−1	1·45	72·7	—	2·0	44·2	22·9	30·9	1Ag	18·3	10·4	37·4	17·8	1½	1½
B	24	—	—	—	—	2·2	36·4	25·7	35·7	—	33·6	8·3	51·4	14·5	—	—
A_1	—	−1	1·45	49·0	12·7	2·9	12·4	35·2	49·5	4½	80·8	7·0	93·1	10·2	4½	4½
A_2	—	−1	1·45	51·0	—	1·8	37·7	27·9	32·6	1Ag	26·3	10·5	42·4	17·1	4½	2
A	54	—	—	—	—	2·3	25·3	31·5	40·9	—	53·0	7·9	67·2	12·4	—	—
P 273 B_1	—	−1	1·45	29·3	12·6	2·7	12·7	34·2	50·4	4½	81·2	5·9	90·6	8·6	4½	4
B_2	—	−1	1·45	70·7	—	1·7	42·6	24·1	31·6	1Ag	24·6	10·0	40·0	16·6	2½	2
B	75	—	—	—	—	2·0	33·8	27·1	37·1	—	41·2	7·6	54·8	12·7	—	—
A_1	—	−1	1·45	37·0	12·5	2·9	13·4	33·1	50·6	3½	75·9	5·3	88·4	8·8	4	4
A_2	—	−1	1·45	63·0	—	2·1	33·3	27·8	36·8	1Ag	31·9	9·7	54·4	16·4	2½	2
A	12	—	—	—	—	2·4	25·9	29·8	41·9	—	48·1	7·1	67·0	12·7	—	—
P 274 C_1	—	−1	1·45	17·4	12·5	2·3	13·7	34·5	49·5	5	75·2	5·7	88·2	8·9	5	4½
C_2	—	−1	1·45	82·6	—	1·7	31·2	29·0	38·1	1Ag	32·3	9·3	53·8	16·1	3	2½
C	25	—	—	—	—	1·8	28·2	30·0	40·0	—	39·8	8·1	59·8	14·3	—	—
B_1	—	−1	1·45	43·7	11·9	2·1	17·5	34·5	45·9	4	66·1	8·3	86·4	12·4	4½	4½
B_2	—	−1	1·45	56·7	—	1·9	28·3	31·5	38·3	2	42·6	10·0	65·3	15·4	4	3½
B	15	—	—	—	—	2·0	23·6	32·8	41·6	—	52·9	9·1	74·5	13·9	—	—
A	12	—	—	—	—	1·6	35·2	28·1	35·1	1Ag	37·4	9·9	50·7	14·2	3	2½
P 275 A_1	—	−1	1·45	45·1	13·1	2·4	10·4	35·9	51·3	4	88·2	6·2	94·8	7·8	3	4
A_2	—	−1	1·45	54·9	—	1·2	52·3	20·1	26·4	F	10·3	9·2	15·5	16·9	—	1½
A	37	—	—	—	—	1·7	33·4	27·2	37·6	—	45·4	6·6	51·3	9·3	—	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
P 276 C_1	—	−1	1·58	34·6	10·9	2·0	21·6	25·6	50·5	1Ag	—	—	70·6	13·8	—	1Ag
C_2	—	−1	1·58	65·4	—	1·6	40·3	18·8	39·3	F	—	—	15·6	15·8	—	F
C	55	—	—	—	—	1·7	33·8	21·2	43·2	—	—	—	34·6	14·4	—	—
B_1	—	−1	1·45	31·8	12·8	2·7	11·2	35·1	51·0	2½	83·6	5·2	91·1	6·9	2½	4
B_2	—	−1	1·45	68·2	—	1·6	33·0	25·6	39·8	1Ag	27·6	7·0	43·1	12·5	1½	1Ag
B	23	—	—	—	—	1·9	26·1	28·6	43·4	—	45·4	5·9	58·4	9·7	—	—
A	12	—	—	—	—	1·6	36·6	21·7	40·1	1Ag	9·7	7·7	32·1	13·7	—	1Ag
P 277 C	5	—	—	—	12·2	2·3	14·2	32·9	50·6	3½	78·7	6·0	83·7	7·2	3	4
B	6½	—	—	—	—	1·8	25·7	31·4	41·1	2	50·3	10·0	69·2	16·2	2½	3½
A_1	—	−1	1·45	80·7	13·2	2·2	9·5	28·0	60·3	1Ag	83·7	5·7	95·9	7·6	1	1Ag
A_2	—	−1	1·45	19·3	—	1·6	32·6	20·4	45·4	F	16·5	7·5	42·7	14·4	F	F
A	37	—	—	—	—	2·1	13·9	26·5	57·5	—	70·7	6·5	85·6	8·9	—	—

BOORGAT 57 : GROOTEGELUK 1360 : BOREHOLE 57

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Grond		6	—		Soil.
Moddersteen	43	11	44	5	Mudstone.
Glanskool, gelaag, boonste 1½ dm. is vuil, bevattende kleimateriaal en sideriet; onderste 4 dm. erg piriethoudend, met skalieagtige lagies; plek-plek kalsiethoudend; bevat baie pirietlense.	2	3	46	8	**Coal,** bright, banded, top 1½ in. dirty, containing clay-material and siderite; bottom 4 in. is very pyritic, with shaly bands; very calcitic in parts; contains numerous pyrite lenses.
Skalie, vaal	5	9	—		Shale, grey.
Glanskool, gelaag, plek-plek piriethoudend; erg kalsiethoudend, en bevat plek-plek skalieagtige lagies; 6 dm. skalie 9 dm. van bo af.	2	7	—		**Coal,** bright, banded, pyritic in parts; very calcitic, and contains shaly bands in places; 6 in. shale 9 in. from top.
Skalie, vaal	3	1	—		Shale, grey.
Glanskool, gelaag, plek-plek met skalieagtige lagies; 5 dm. koolstofhoudende skalie 15 dm. van bo af en 1 dm. koolstofhoudende skalie by onderent; piriet- en kalsiethoudend.	2	6	60	7	**Coal,** bright, banded, with shaly bands in parts; 5 in. carbonaceous shale 15 in. from top and 1 in. carbonaceous shale at bottom; pyritic and calcitic.
Skalie, met steenkoollagies	5	7	—		Shale, with coal bands.
Glanskool en skalielae, tussengelaag, en skalielae, om die beurt.	3	1	—		**Coal,** bright, and shale, interbanded, alternating with shale bands.
Glanskool, gelaag, plek-plek pikagtig, kalsiet- en piriethoudend.	2	0	—		**Coal,** bright, banded, pitch-like in parts, calcitic and pyritic.
Skalie, vaal	3	7	—		Shale, grey.
Skalie en dungelaagde glanskool, met baie skalielae; piriethoudend.	6	0	—		Shale and thinly banded bright coal, with many shale bands; pyritic.
Skalie, met steenkoollae	2	4	—		Shale, with coal bands.
Glanskool, gelaag, plek-plek kalsiethoudend.	1	6	—		**Coal,** bright, banded, calcitic in parts.
Skalie, met steenkoollae	3	4	—		Shale, with coal bands.
Glanskool, gelaag, pikagtig, piriethoudend.	2	5	90	5	**Coal,** bright, banded, pitch-like, pyritic.
Skalie	1	0	—		Shale.
Skalie en dungelaagde glanskool.	2	10	94	3	Shale and thinly banded bright coal.
Glanskool, gelaag, plek-plek pikagtig, piriet- en kalsiethoudend.	3	4	—		**Coal,** bright, banded, pitch-like in parts, pyritic and calcitic.
Skalie, steenkoolagtig by onderent.		9	98	4	Shale, coaly at bottom.
Glanskool, gelaag, pikagtig; ½ dm. skalie 11 dm. van bo af en 2 dm. skalie by onderent; piriethoudend.	2	8	—		**Coal,** bright, banded, pitch-like; ½ in. shale 11 in. from top and 2 in. shale at bottom; pyritic.
Glanskool, gelaag, pikagtig; 'n 1-dm. pirietlaag 14 dm. van bo af, 1-dm. skalielaag 23 dm. van bo af, 1½-dm. skalielaag 9 dm. van onder af en 1½-dm. skalielaag 6 dm. van onder af.	4	0	105	0	**Coal,** banded, bright, pitch-like; a 1-in. pyrite band 14 in. from top, 1-in. shale band 23 in. from top, 1½-in. shale band 9 in. from bottom and 1½-in. shale band 6 in. from bottom.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie	1	8	106	8	Shale.
Glanskool, gelaag; boonste 2 dm. vuil en swaar; 3 dm. skalie 26 dm. van bo af, 2½ dm. vuil en swaar steenkool 28 dm. van bo af, en ½ dm. skalie naby onderent.	4	1	—		Coal, bright, banded; top 2 in. dirty and heavy; 3 in. shale 26 in. from top, 2½ in. dirty and heavy coal 28 in. from top and ½ in. shale near bottom.
Skalie	3	2	—		Shale.
Glanskool, gelaag, met vyf skalielagies en/of swaar en vuil tussengesteentes, plek - plek met skalieagtige lae; kalsiet- en piriethoudend.	9	5	—		Coal, bright, banded, with five shale bands and/or heavy and dirty partings; shaly bands in places; calcitic and pyritic.
Skalie en steenkool, gemeng ...	1	4	—		Shale and coal, mixed.
Skalie, met steenkoollagies ...	11	6	—		Shale, with thin coal bands.
Skalielae en steenkoollae, tussengelaag, en skalielae om die om die beurt.	13	8	—		Shale and coal bands interbanded, and shale bands, alternating.
Skalie en gelaagde steenkoollae om die beurt.	15	5	166	6	Shale and banded coal bands, alternating.
Skalie, met steenkoollae	8	11	175	5	Shale, with coal bands.
Glanskool, gelaag, en skalie ...	1	10	—		Coal, bright, banded, and shale.
Skalie, met steenkoollae	6	7	—		Shale, with coal bands.
Glanskool, gelaag, met skalieagtige lagies.	1	7	—		Coal, bright, banded, with thin shaly bands.
Skalie, met steenkoollagies ...	2	7	—		Shale, with coal bands.
Glanskool, gelaag, met skalieagtige lagies.	1	1	—		Coal, bright, banded, with thin shaly bands.
Skalie, met steenkoollagies ...	1	5	—		Shale, with coal bands.
Glanskool, gelaag, plek-plek met skalieagtige lagies; bevat siderietkorrels by onderent.	2	7	—		Coal, bright, banded, with shaly bands in parts; contains siderite pellets at bottom.
Skalie, met steenkoollagies ...	9	3	—		Shale, with coal bands.
Glanskool, gelaag, plek-plek met baie skalieagtige lae.	2	10	205	2	Coal, bright, banded, with many shaly bands in parts.
Skalie, met steenkoollagies ...	7	2	212	4	Shale, with coal bands.
Glanskool, gelaag, plek-plek met skalieagtige lae; baie vuil in die middel; piriethoudend.	2	4	—		Coal, bright, banded, with shaly bands in parts; very dirty in middle; pyritic.
Skalie, met steenkoollae	7	9	—		Shale, with coal bands.
Glanskool, gelaag, en skalie ...	2	2	—		Coal, bright, banded, and shale.
Skalie, met steenkoollae	5	4	—		Shale, with coal bands.
Glanskool, gelaag, met skalieagtige lae by bo-ent; kalsiethoudend.	1	1	—		Coal, bright, banded, with shaly bands at top; calcitic.
Skalie, met steenkoollae	14	7	—		Shale, with coal bands.
Skalielae, steenkoolagtig, en skalieagtige steenkoollae om die beurt; bevat enkele kalsiethoudende glanskoollae.	18	8	—		Shale bands, coaly, and shaly coal bands alternating; occasional bright, calcitic coal bands appear.
Skalielae, steenkoolagitge skalielae en glanskoollae om die beurt.	14	8	—		Shale bands, coaly shale bands and bright coal bands alternating.
Glanskool, gelaag, met drie skalielae; piriethoudend.	2	5	281	4	Coal, bright, banded, with three shale bands; pyritic.
Skalie, vaal, en steenkoolagtige skalie.		5	281	9	Shale, grey, and coaly shale.
Skalie, swart	1	7	283	4	Shale, black.

Bg. 57 (*Verv.*) B.H. 57 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalielae, steenkoolagtig, en koolstofhoudende skalielae om die beurt; bietjie glanskool by bo-ent.	9	1	—		Shale bands, coaly, and carbonaceous shale bands; a little bright coal at top.
Skalie, met steenkoollae	6	5	—		Shale, with coal bands.
Skalie, koolstofhoudend	1	5	—		Shale, carbonaceous.
Glanskool, met 'n 1-dm. piriet-laag.		5	—		**Coal,** bright, with a 1-in. pyrite band.
Skalie	3	3	—		Shale.
Skalie, koolstofhoudend, en steenkoolagtige skalielae om die beurt, 'n 1½-dm. pirietlaag naby middel.	4	7	—		Shale bands, carbonaceous, and coaly shale bands alternating; a 1½-in. pyrite band near middle.
Skalie, swart	12	10	321	4	Shale, black.
Glanskoollae en matkoollae om die beurt; plek-plek erg piriethoudend; kalsiethoudend.	1	9	—		**Coal;** bright coal bands and dull coal bands alternating; very pyritic in places; calcitic.
Skalie, steenkoolagtig, en skalieagtige steenkool.	1	9	—		Shale, coaly, and shaly coal.
Matkool, met enkele glanskoolstrepies; plek-plek piriethoudend.	5	3	—		**Coal,** dull, with occasional bright coal stringers; pyritic in places.
Steenkool, skalieagtig		11	—		**Coal,** shaly.
Matkool, met enkele glanskoolstrepies; plek-plek piriethoudend.	3	8	334	8	**Coal,** dull, with occasional bright coal stringers; pyritic in places.
Steenkool, skalieagtig en kalsiethoudend.	1	6	336	2	**Coal,** shaly and calcitic.
Matkool, met enkele glanskoolstrepies in 'n 2-dm. skalielaag 7 dm. van onder af.	5	0	—		**Coal,** dull, with an occasional bright coal stringer and a 2-in. shale band 7 in. from bottom.
Vuil laag. (B.N.I.)		3	—		Dirty band. (F.R.I.)
Matkool, met 'n paar glanskoolstrepies.	2	2	—		**Coal,** dull, with a few bright coal stringers.
Vuil laag. (B.N.I.)		5	—		Dirty band. (F.R.I.)
Steenkool, gemeng, meer glansend na onder.	4	4	348	4	**Coal,** mixed, brighter towards bottom.
Sandsteen, fynkorrelrig, gelaag, mikadraend, vaal.	8	9	—		Sandstone, fine-grained laminated, micaceous, grey.
Sandsteen, grofkorrelrig, veldspaties, fynkorrelrig na onder, met skalieagtige deeltjies.	3	4	360	5	Sandstone, coarse-grained, felspathic, fine-grained towards bottom, with shaly parts.
Steenkool, gemeng; hoofsaaklik glanskool, met 'n 2-dm. koolstofhoudende sandsteenlagie 13 dm. van bo af.	1	6	—		**Coal,** mixed; mainly bright, with a 2-in. carbonaceous sandstone band 13 in. from top.
Sandsteen, koolstofhoudend en skalieagtig.		5	—		Sandstone, carbonaceous and shaly.
Matkool, met enkele glanskoolstrepies en 'n 3-dm. vuil laag (B.N.I.), 27 dm. van bo af en 'n 2-dm. vuil laag (B.N.I.) by onderent; effens piriethoudend.	4	5	—		**Coal,** dull, with an occasional bright coal stringer and a 3-in. dirty band (F.R.I.) 27 in. from top and a 2-in. dirty band (F.R.I.) at bottom; slightly pyritic.
Steenkool; hoofsaaklik matkool, met 'n 3-dm. vuil laag (B.N.I.) 16 dm. van bo af, asook 'n 3-dm. vuil laag (B.N.I.) by onderent; 'n paar pirietknolle is teenwoordig.	3	8	—		**Coal;** mainly dull, with a 3-in. dirty band (F.R.I.) 16 in. from top, also a 3-in. dirty band (F.R.I.) at bottom; a few pyrite nodules are present.

Bg. 57 (*Verv.*) B.H. 57 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Steenkool, gemeng; hoofsaaklik matkool, met 'n 5-dm. vuil laag (B.N.I.) 15 dm. van bo af; 'n paar pirietknolle is teenwoordig.	4 1	374 6	**Coal,** mixed; mainly dull, with a 5-in. dirty band (F.R.I.) 15 in. from top; a few pyrite nodules are present.
Sandsteen, fynkorrelrig, mikadraend, gelaag, vaal.	3 10	378 4	Sandstone, fine-grained, micaceous, laminated, grey.
Steenkool	8	379 0	**Coal.**
Sandsteen, middelkorrelrig, wit en grys, veldspaties.	8 6	—	Sandstone, medium-grained, white and grey, felspathic.
Sandsteen, fynkorrelrig, gelaag, vaal en wit, met skalieagtige deeltjies en grofkorrelrige tot grintagtige golfvormige lagies.	15 2	—	Sandstone, fine-grained. laminated, grey and white, with shaly portions and coarse-grained to gritty, wavy bands.
Sandsteen, grintagtig, veldspaties, vaal, gelaag.	6 10	409 6	Sandstone, gritty, felspathic, grey, laminated.
Sandsteen, gelaag, fynkorrelrig, met skalieagtige, golfvormige lae; veldspaties.	5 5		Sandstone, laminated, fine-grained, with shaly, wavy layers; felspathic.
Sandsteen, grofkorrelrig, grys, veldspaties.	3 5	—	Sandstone, coarse-grained, grey, felspathic.
Sandsteen, fynkorrelrig, vaal, in golfvormige lae.	10	419 2	Sandstone, fine-grained, grey, in wavy layers.
Matkool, met 'n paar glanskoolstrepies, 'n 3-dm. vuil laag (B.N.I.) 45 dm. van bo af en 'n ½-dm. pirietlaag 56 dm. van bo af.	5 7	424 9	**Coal,** dull, with a few bright coal stringers, a 3-in. dirty band (F.R.I.) 45 in. from top and a ½-in. pyrite band 56 in. from top.
Sandsteen, fynkorrelrig, swart.	1 3	426 0	Sandstone, fine-grained, black.

BOORGAT 57 : GROOTEGELUK 1360 : 57

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 319 C	**Glanskool, gelaag;** boonste 1½ dm. is vuil, bevattende kleimateriaal en sideriet; onderste 4 dm. is erg piriethoudend met skalieagtige lagies; plek-plek erg kalsiethoudend; bevat baie pirietlense.	27	46 8	**Coal, bright, banded;** top 1½ in. is dirty, containing clay-materia and siderite; bottom 4 in. is very pyritic with shaly bands; very calcitic in parts; contains numerous pyrite lenses.
	N.G.	69	—	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
B	Glanskool, gelaag, plek-plek piriethoudend, erg kalsiethoudend en bevat plek-plek skalieagtige lagies: 6 dm. skalie 9 dm. van bo af is uitgesluit.	31	—	Coal, bright, banded, pyritic in parts, very calcitic and contains shaly bands in places; 6 in. shale 9 in. from top is excluded.
	N.G.	37	—	N.S.
A	Glanskool, gelaag, plek-plek met skalieagtige lagies; 5 dm. koolstofhoudende skalie 15 dm. van bo af en 1 dm. koolstofhoudende skalie by onderent; piriet- en kalsiethoudend.	30	60 7	Coal, bright, banded, with shaly bands in parts; 5 in. carbonaceous shale 15 in. from top and 1 in. carbonaceous shale at bottom; pyritic and calcitic.
P 320	N.G.	67	66 2	N.S.
D	Glanskoollae en skalielae, tussengelaag, en skalielae, om die beurt.	37	—	Coal, bright, and shale, interbanded, alternating with shale bands.
C	Glanskool, gelaag, plek-plek pikagtig, kalsiet- en piriethoudend.	24	—	Coal, bright, banded, pitch-like in parts, calcitic and pyritic.
	N.G.	43	—	N.S.
	N.G.	72	—	N.S.
	N.G.	28	—	N.S.
B	Glanskool, gelaag, plek-plek kalsiethoudend.	18	—	Coal, bright, banded, calcitic in places.
	N.G.	40	—	N.S.
A	Glanskool, gelaag, pikagtig, piriethoudend.	29	90 5	Coal, bright, banded, pitch-like, pyritic.
P 321	N.G.	34	94 3	N.S.
C	Glanskool, gelaag, plek-plek pikagtig, piriet- en kalsiethoudend.	40	—	Coal, bright, banded, pitch-like in parts, pyritic and calcitic.
	N.G.	9	—	N.S.
B	Glanskool, gelaag, pikagtig; ½ dm. skalie 11 dm. van bo af en 2 dm. skalie by onderent; piriethoudend.	32	—	Coal, bright, banded, pitch-like; ½ in. shale 11 in. from top and 2 in. shale at bottom; pyritic.
A	Glanskool, gelaag, pikagtig; 'n 1-dm. piriet-laag 14 dm. van bo af, 1 dm. skalie 23 dm. van bo af, 1½ dm. skalie 9 dm. van onder af en 1½ dm. skalie 6 dm. van onder af.	48	105 0	Coal, bright, banded, pitch-like; a 1-in. pyrite band 14 in. from top, 1 in. shale 23 in. from top, 1½ in. shale 9 in. from bottom and 1½ in. shale 6 in. from bottom.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. In.	*Vt. Dm. Ft. In.*	
P 322	N.G.	20	106 8	N.S.
B	Glanskool, gelaag; boonste 2 dm. vuil en swaar; 3 dm. skalie 26 dm. van bo af, 2½ dm. vuil en swaar steenkool 28 dm. van bo af en ½ dm. skalie naby onderent.	49	—	Coal, bright, banded; top 2 in. dirty and heavy; 3 in. shale 26 in. from top, 2½ in. dirty and heavy coal 28 in. from top and ½ in. shale near bottom.
	N.G.	38	—	N.S.
A	Glanskool, gelaag, met vyf skalielagies en/of swaar en vuil tussengesteentes, plek-plek met skalieagtige lae; kalsiet- en piriethoudend.	113	123 4	Coal, bright, banded, with five shale bands and/or heavy and dirty partings; shaly bands in places; calcitic and pyritic.
P 323	N.G.	107	175 5	N.S.
E	Glanskool, gelaag, en skalie.	22	—	Coal, bright, banded, and shale.
	N.G.	79	—	N.S.
D	Glanskool, gelaag, met skalieagtige lagies.	19	—	Coal, bright, banded, with thin shaly bands.
	N.G.	31	—	N.S.
C	Glanskool, gelaag, met skalieagtige lagies.	13	—	Coal, bright, banded, with thin shaly bands.
	N.G.	17	—	N.S.
B	Glanskool, gelaag, plek-plek met skalieagtige lagies; siderietkorrels by onderent.	31	—	Coal, bright, banded, with shaly bands in parts; siderite pellets at bottom.
	N.G.	111	—	N.S.
A	Glanskool, gelaag, plek-plek met baie skalieagtige lae.	34	205 2	Coal, bright, banded, with many shaly bands in parts.
P 324	N.G.	86	212 4	N.S.
D	Glanskool, gelaag, plek-plek met skalieagtige lae; baie vuil in die middel; piriethoudend.	28	—	Coal, bright, banded, with shaly bands in parts; very dirty in middle; pyritic.
	N.G.	93	—	N.S.
C	Glanskool, gelaag, en skalie.	26	—	Coal, bright, banded and shale.
	N.G.	64	—	N.S.
B	Glanskool, gelaag, met skalieagtige lae by bo-ent; kalsiethoudend.	13	—	Coal, bright, banded, with shaly bands at top; calcitic.
	N.G.	175	—	N.S.
	N.G.	224	—	N.S.
	N.G.	176	—	N.S.
A	Glanskool, gelaag, met drie skalielae; piriethoudend.	29	281 4	Coal, bright, banded, with three shale bands; pyritic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 325	N.G.	154	321 4	N.S.
C	**Glanskoollae,** en matkoollae om die beurt: plek-plek erg piriethoudend; kalsiethoudend.	21	—	**Coal,** bright bands, and dull coal bands alternating; very pyritic in places; calcitic.
	N.G.	21	—	N.S.
B	**Matkool,** met enkele glanskoolstrepies; plek-plek piriethoudend.	63	—	**Coal,** dull, with occasional bright coal stringers; pyritic in places.
	N.G.	11	—	N.S.
A	**Matkool,** met enkele glanskoolstrepies; plek-plek piriethoudend.	44	334 8	**Coal,** dull, with occasional bright coal stringers; pyritic in places.
P 429	N.G.	18	336 2	N.S.
C	**Matkool,** met enkele glanskoolstrepies en 'n 2-dm. skalielaag, 7 dm. van onder af.	60	—	**Coal,** dull, with an occasional bright coal stringer and a 2-in. shale band 7 in. from bottom.
	N.G.	3	—	N.S.
B	**Matkool,** met 'n paar glanskoolstrepies.	26	—	**Coal,** dull, with a few bright coal stringers.
	N.G.	5	—	N.S.
A	**Steenkool,** gemeng, meer glansend na onder.	52	348 4	**Coal,** mixed, brighter towards bottom.
P 430	N.G.	40	360 5	N.S.
D	**Steenkool,** gemeng; hoofsaaklik glanskool; 'n 2-dm. koolstofhoudende sandsteenlagie 13 dm. van bo af.	18	—	**Coal,** mixed; mainly bright; a 2-in. carbonaceous sandstone band 13 in. from top.
	N.G.	5	—	N.S.
C	**Matkool,** met enkele glanskoolstrepies en 'n 3-dm. vuil laag (B.N.I.) 27 dm. van bo af in 'n 2-dm. vuil laag (B.N.I.) by onderent; effens piriethoudend.	53	—	**Coal,** dull, with an occasional bright coal stringer and a 3-in. dirty band (F.R.I.) 27 in. from top and a 2-in. dirty band (F.R.I.) at bottom; slightly pyritic.
B	**Steenkool;** hoofsaaklik matkool, met 'n 3-dm. vuil laag (B.N.I.) 16 dm. van bo af, asook 'n 3-dm. vuil laag (B.N.I.) by onderent; 'n paar piriet knolle kom voor.	44	—	**Coal;** mainly dull, with a 3-in. dirty band (F.R.I.) 16 in. from top, also a 3-in. dirty band (F.R.I.) at bottom; a few pyrite nodules occur.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
A	Steenkool, gemeng; hoofsaaklik matkool, met 'n 5-dm vuil laag (B.N.I.) 15 dm. van bo af; 'n paar pirietknolle kom voor.	49	374 6	Coal, mixed, mainly dull, with a 5-in. dirty band (F.R.I.) 15 in. from top; a few pyrite nodules occur.
P 431	N.G.	10	419 2	N.S.
A	Matkool, met 'n paar glanskoolstrepies en 'n 3-dm. vuil laag (B.N.I.) 45 dm. van bo af en 'n ½-dm. pirietlaag 56 dm. van bo af.	67	424 9	Coal, dull, with a few bright coal stringers and a 3-in. dirty band (F.R.I.) 45 in. from top and a ½-in. pyrite band 56 in. from top.

BOORGAT 57 : GROOTEGELUK 1360 : BOREHOLE 57

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
P 319 C	27	—	—	—	10·2	2·0	28·4	34·3	35·3	4	45·9	10·6	66·9	15·5	5	4
B_1	—	−1	1·45	36·4	11·9	2·9	17·1	33·5	46·5	4	70·1	8·6	89·8	13·4	5	4
B_2	—	−1	1·45	63·6	—	2·0	31·9	29·9	36·2	—	36·5	10·9	59·2	18·0	4½	3½
B	25	—	—	—	—	2·3	26·5	31·2	40·0	—	48·7	9·7	70·3	15·9	4½	3½
A	24	—	—	—	10·3	2·5	27·8	29·9	39·8	2	45·1	10·3	67·2	17·2	4½	4
P 320 D	37	—	—	—	—	2·0	51·6	20·4	26·0	—	17·5	10·1	32·2	17·7	5	3
C_1	—	−1	1·45	59·0	12·1	2·6	15·9	35·1	46·4	5	74·3	10·0	92·3	12·9	4½	5
C_2	—	−1	1·45	41·0	—	1·7	38·9	27·2	32·2	—	25·6	11·6	40·1	19·3	5	2½
C	24	—	—	—	—	2·2	25·3	31·9	40·6	—	54·3	10·3	70·9	14·6	4½	4½
B	18	—	—	—	11·5	2·1	20·3	32·3	45·2	3	59·6	8·5	81·9	13·0	5	4
A_1	—	−1	1·45	82·2	12·5	2·6	14·2	35·6	47·6	5	80·5	9·2	95·0	12·0	4½	4½
A_2	—	−1	1·45	17·8	—	1·9	32·3	28·7	37·1	—	35·2	11·2	56·3	18·0	5	3½
A	29	—	—	—	—	2·5	17·4	34·4	45·7	—	72·4	9·4	88·1	12·8	4½	4
P 321 C_1	—	−1	1·45	63·1	12·5	2·6	13·4	34·4	49·6	4½	78·5	7·0	91·6	10·1	5	4½
C_2	—	−1	1·45	36·9	—	1·8	34·4	28·2	35·6	—	24·0	9·9	51·2	16·3	4	3
C	40	—	—	—	—	2·3	21·1	32·1	44·5	—	58·4	7·5	76·7	11·5	5	4
B_1	—	−1	1·45	68·2	12·6	2·6	12·9	35·8	48·7	4½	82·3	8·0	93·4	10·5	5½	4½
B_2	—	−1	1·45	31·8	—	1·4	52·0	20·4	26·2	—	15·1	9·8	28·4	16·0	4	3
B	32	—	—	—	—	2·2	25·3	30·9	41·6	—	60·9	8·1	72·7	11·2	5	4
A_1	—	−1	1·45	54·7	12·5	2·5	13·4	35·1	49·0	4½	81·4	7·9	92·3	10·4	5	4½
A_2	—	−1	1·45	45·3	—	1·6	46·9	22·9	28·6	—	19·9	10·3	34·4	16·3	3½	2½
A	48	—	—	—	—	2·1	28·6	29·6	39·7	—	53·5	8·3	66·0	11·7	4½	4

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
											Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	Dryfsel Float 1·45	Dryfsel Float 1·58
P 322 B$_1$	—	—1	1·45	63·0	12·4	2·8	14·2	34·1	48·9	4	77·3	7·0	91·8	10·4	5½	3
B$_2$	—	—1	1·45	37·0	—	1·8	36·4	28·3	33·5	—	32·7	9·9	44·9	16·1	3½	1½Ag
B	49	—	—	—	—	2·4	22·4	32·0	43·2	—	60·8	7·6	74·4	11·7	5	2½
A$_1$	—	—1	1·45	41·6	12·4	2·6	14·5	35·1	47·8	4	77·5	8·2	92·3	11·4	5	5
A$_2$	—	—1	1·45	58·4	—	1·6	49·9	22·8	25·7	—	17·6	10·6	30·3	18·2	4½	2
A	113	—	—	—	—	2·0	35·2	27·9	34·9	—	42·5	8·8	56·1	13·6	5	4
P 323 E	22	—	—	—	—	1·5	34·2	30·0	34·3	—	34·5	8·8	48·5	14·7	5½	4½
D	19	—	—	—	10·5	1·7	26·1	31·1	41·1	3	47·4	8·0	64·7	12·8	4½	4
C	13	—	—	—	10·7	1·6	24·7	31·2	42·5	3	41·4	7·2	67·4	12·0	4½	4
B$_1$	—	—1	1·45	40·0	12·4	2·1	15·0	35·9	47·0	5	74·6	8·3	90·2	10·9	4½	4
B$_2$	—	—1	1·45	60·0	—	1·4	46·6	25·1	26·9	—	19·1	9·9	38·1	15·1	4	3
B	31	—	—	—	—	1·7	34·0	29·4	34·9	—	41·3	8·8	58·9	12·3	4½	4
A	34	—	—	—	—	1·5	31·3	28·3	38·9	—	42·1	8·0	53·9	12·7	4½	2½
P 324 D$_1$	—	—1	1·45	39·8	12·8	2·3	12·3	36·8	48·6	4½	81·8	6·9	91·6	9·0	5	4½
D$_2$	—	—1	1·45	60·2	—	1·6	36·3	34·3	27·8	—	31·7	8·8	46·7	12·8	5	3½
D	28	—	—	—	—	1·9	26·7	35·3	36·1	—	51·6	7·6	64·6	10·7	5	4
C	26	—	—	—	—	1·5	32·4	29·1	37·0	—	35·1	8·1	52·4	13·6	4½	2½
B	13	—	—	—	11·7	2·0	16·6	33·1	48·3	3½	71·4	6·1	82·1	8·7	5	3½
A$_1$	—	—1	1·45	59·1	13·8	2·3	7·0	36·1	54·5	5	—	—	—	—	—	—
A$_2$	—	—1	1·45	40·9	—	1·4	42·2	22·8	33·6	—	15·3	7·8	28·0	13·7	2	1Ag
A	29	—	—	—	—	2·0	21·4	26·7	46·0	—	—	—	—	—	—	—
P 325 C$_1$	—	—1	1·58	33·8	11·5	2·4	17·2	23·1	57·3	1Ag	38·4	5·4	76·9	10·8	2	1Ag
C$_2$	—	—1	1·58	66·2	—	1·5	42·5	19·3	36·7	—	—	—	24·3	13·5	—	1Ag
C	21	—	—	—	—	1·8	33·9	20·6	43·7	—	—	—	42·1	11·9	—	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45		Dryfsel 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
											Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
B_1	—	−1	1·58	79·9	12·7	2·4	11·5	21·4	64·7	F	71·0	5·3	90·4	7·2	F	P
B_2	—	−1	1·58	20·1	—	1·4	39·8	21·1	37·7	—	—	—	23·1	12·0	—	F
B	63	—	—	—	—	2·2	17·2	21·3	59·3	—	—	—	76·9	7·5	—	—
A_1	—	−1	1·58	69·4	12·3	2·3	14·4	21·6	61·7	F	52·0	6·5	88·5	10·3	F	F
A_2	—	−1	1·58	30·6	—	1·4	41·1	20·4	37·1	—	—	—	18·9	13·3	—	F
A	44	—	—	—	—	2·0	22·6	21·2	54·2	—	—	—	67·2	10·6	—	—
P 429 C_1	—	−1	1·58	76·2	12·1	2·7	14·5	20·1	62·7	F	38·9	6·3	86·7	11·0	F	—
C_2	—	−1	1·58	23·8	—	1·5	39·3	17·5	41·7	—	6·1	—	15·9	14·0	—	—
C	60	—	—	—	—	2·4	20·4	19·5	57·7	—	31·1	—	69·8	11·2	—	—
B_1	—	−1	1·58	81·8	12·3	2·2	14·0	20·1	63·7	F	48·8	6·5	87·6	10·8	F	—
B_2	—	−1	1·58	18·2	—	2·0	31·8	17·9	48·3	—	8·6	7·7	29·7	14·5	—	—
B	26	—	—	—	—	2·2	17·2	19·7	60·9	—	41·5	6·5	77·1	11·1	—	—
A_1	—	−1	1·45	82·9	13·9	2·5	5·7	27·2	64·6	1Ag	90·9	3·9	98·2	5·1	1½Ag	1½Ag
A_2	—	−1	1·45 —1·58 }	11·4	11·4	2·4	20·1	20·8	56·7	F	31·8	7·2	71·6	12·7	F	—
A_3	—	−1	1·58	5·7	—	1·7	37·9	21·7	38·7	—	12·7	4·9	21·0	11·1	—	—
A	52	—	—	—	—	2·4	9·2	26·2	62·2	—	79·7	4·1	90·8	5·9	—	—
P 430 D_1	—	−1	1·45	74·1	13·8	2·6	6·2	28·5	62·7	1½Ag	91·9	4·2	98·5	5·8	1½Ag	1½Ag
D_2	—	−1	1·45	25·9	—	1·4	56·1	14·3	28·2	—	15·5	8·2	24·2	12·6	—	—
D	19	—	—	—	—	2·3	19·1	24·8	53·7	—	72·1	4·4	79·2	9·7	—	—
C_1	—	−1	1·58	75·3	12·1	2·5	15·5	20·4	61·6	F	39·6	7·4	86·2	12·2	F	—
C_2	—	−1	1·58	24·7	—	1·9	39·4	16·3	42·1	—	5·7	—	13·6	15·1	—	—
C	55	—	—	—	—	2·4	21·4	19·4	56·8	—	31·2	—	68·3	12·3	—	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
											Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	Dryfsel Float 1·45	Dryfsel Float 1·58
P 430 B_1	—	−1	1·58	66·7	12·5	2·3	13·2	23·2	61·3	1Ag	58·5	6·3	87·6	9·5	1½Ag	F
B_2	—	−1	1·58	33·3	—	1·7	40·3	20·1	37·9	—	4·7	—	10·1	12·8	—	—
B	46	—	—	—	—	2·1	22·2	22·2	53·5	—	40·6	—	61·8	9·7	—	—
A_1	—	−1	1·45	65·8	13·2	2·6	9·2	23·2	65·0	1½Ag	76·8	6·2	97·3	7·8	1½Ag	F
A_2	—	−1	1·45 1·58 }	22·8	11·5	2·3	18·3	20·3	59·1	F	28·6	7·8	80·5	13·5	1½Ag	F
A_1A_2	—	−1	1·58	88·6	12·8	2·5	11·5	22·5	63·5	—	—	—	—	—	—	—
A_3	—	−1	1·58	11·4	—	1·7	33·8	29·4	35·1	—	18·4	7·1	32·6	10·7	—	—
A	51	—	—	—	12·2	2·4	14·1	23·2	60·3	—	59·7	6·4	86·1	9·1	—	—
P 431 A_1	—	−1	1·58	90·8	12·9	2·6	11·5	21·1	64·8	F	69·3	6·4	95·2	9·3	F	—
A_2	—	−1	1·58	9·2	—	1·7	44·0	21·3	33·0	—	8·9	6·1	16·0	11·7	—	—
A	67	—	—	—	—	2·5	14·4	21·1	61·9	—	83·7	6·4	87·9	9·3	—	—

BOORGAT 67 : MC CABES VLEY 1371 : BOREHOLE 67

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Grond	3	0	—		Soil.
Moddersteen	167	0	170	0	Mudstone.
Steenkool, skalieagtig		2	170	2	**Coal,** shaly.
Glanskool, gelaag, plek-plek skalieagtig; kalsiethoudend.		10	—		**Coal,** bright, banded, shaly in parts; calcitic.
Skalie, koolstofhoudend, met steenkoollae.	6	1	177	1	Shale, carbonaceous, with coal bands.
Glanskool, gelaag, met skalielae.	1	1	—		**Coal,** bright, banded, with shale bands.
Skalie en dungelaagde glanskool.	2	4	—		Shale and thinly banded bright coal.
Skalie, koolstofhoudend, met 'n bietjie steenkool.	1	8	—		Shale, carbonaceous, with a little coal.
Skalie, vaal		6	—		Shale, grey.
Glanskool, gelaag, kalsiethoudend.	1	4	184	0	**Coal,** bright, banded, calcitic.
Skalie, koolstofhoudend	4	11	188	11	Shale, carbonaceous.
Glanskool, gelaag, plek-plek skalieagtig.	1	6	—		**Coal,** bright, banded, shaly in parts.
Skalie en steenkool		5	—		Shale and coal.
Glanskool, gelaag, plek-plek skalieagtig.		11	—		**Coal,** bright, banded, shaly in parts.
Skalie, koolstofhoudend		4	—		Shale, carbonaceous.
Glanskool, gelaag, met skalieagtige lae by onderent.	1	1	—		**Coal,** bright, banded, with shaly bands at bottom.
Skalie, koolstofhoudend		4	—		Shale, carbonaceous.
Glanskool, gelaag, kalsiet- en piriethoudend.	1	8	195	2	**Coal,** bright, banded, calcitic and pyritic.
Skalie, koolstofhoudend, met steenkoollae.	9	10	205	0	Shale, carbonaceous, with coal bands.
Skalielae, swart, en lae van hoofsaaklik glanskool, om die beurt.	5	0	210	0	Shale bands, black, and mainly bright coal bands, alternating.
Glanskool, gelaag, met skalieagtige lagies en 'n 1-dm. laag hoofsaaklik swart skalie by onderent; kalsiethoudend.		11	—		**Coal,** bright banded, with shaly bands and a 1-in. band of mainly black shale at bottom; calcitic.
Glanskool, gelaag, pikagtig, piriethoudend.	3	3	214	2	**Coal,** bright, banded, pitchlike, pyritic.
Skalie, koolstofhoudend, met steenkoollagies.	1	4	215	6	Shale, carbonaceous, with coal bands.
Glanskool, gelaag, en skalie, met enkele koolstofhoudende skalielae.	4	9	—		**Coal,** bright, banded, and shale, with some carbonaceous shale bands.
Glanskool, gelaag, en skalie.	4	8	—		**Coal,** bright, banded, and shale.
Glanskool, gelaag, plek-plek skalieagtig en piriethoudend, met 'n 2-dm. skalielaag 3 dm. van bo af en 1-dm. skalielaag by onderent.	2	2	—		**Coal,** bright, banded, shaly and pyritic in parts, with a 2-in. shale band 3 in. from top and a 1-in. shale band at bottom.
Glanskool, gelaag, pikagtig, met 'n 2-dm. skalielaag 13 dm. van bo af.	2	8	—		**Coal,** bright, banded, pitchlike, with a 2-in. shale band 13 in. from top.
Glanskool, gelaag, plek-plek skalieagtig.	1	8	231	5	**Coal,** bright, banded, shaly in parts.
Skalie, koolstofhoudend, met steenkoollae.	6	0½	237	5½	Shale, carbonaceous, with coal bands.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Glanskool, gelaag, plek-plek skalieagtig; kalsiet- en piriethoudend.	1	7	—		**Coal,** bright, banded, shaly in parts, calcitic and pyritic.
Skalie, koolstofhoudend, met steenkoollagies.	24	9½	263	10	Shale, carbonaceous, with coal bands.
Glanskool, gelaag, skalieagtig, met enkele skalielae; skoner na onder.	3	4	267	2	**Coal,** bright, banded, shaly, with some shale bands; cleaner towards bottom.
Skalie, koolstofhoudend, met steenkoollae.	55	10	323	0	Shale, carbonaceous, with coal bands.
Glanskool, gelaag, plek-plek skalieagtig en bevat siderietkorrels by onderent.	2	1	325	1	**Coal,** bright, banded, shaly in parts and siderite-spotted at bottom.
Steenkool en sideriet	1	3	—		**Coal** and siderite.
Skalielae, swart, en fyngelaagde glanskool- en skalielae, om die beurt.	3	2	329	6	Shale bands, black, and finely banded bright coal and shale bands, alternating.
Skalie, met steenkoollagies ...	91	8	421	2	Shale, with coal bands.
Skalie, vaal, met dun steenkoollagies.	5	10	—		Shale, grey, with thin coal bands.
Skalie, koolstofhoudend, met enkele steenkoollagies.	8	2	—		Shale, carbonaceous, with some coal bands.
Skalie, vaal, en koolstofhoudende skalie.	6	4	—		Shale, grey, and carbonaceous shale.
Skalie, koolstofhoudend, met enkele steenkoollagies.	33	2	474	0	Shale, carbonaceous, with some coal bands.
Skalie, swart, met baie kwartskorreltjies.	3	6	—		Shale, black, with many quartz grains.
Skalie, swart en vaal, sanderig.	2	11	—		Shale, black and grey, sandy.
Sandsteen, fyn- tot middelkorrelrig, gelaag, wit en vaal, veldspaties.	22	4	—		Sandstone, fine- to medium-grained, laminated, white and grey, felspathic.
Sandsteen, grofkorrelrig, wit en vaal, veldspaties.	15	2	518	7	Sandstone, coarse-grained, white and grey, felspathic.
Steenkool; glanskool en matkool, gemeng, skalieagtig en piriethoudend.	6	9	525	4	**Coal;** bright and dull mixed; shaly and pyritic.
Sandsteen, middelkorrelrig, gelaag na onder, vuilvaal.	10	2	—		Sandstone, medium-grained, laminated towards bottom, dirty grey.
Sandsteen, fynkorrelrig, fyngelaag, vaalswart, mikadraend.	6	0	—		Sandstone, fine-grained, finely laminated, greyish black, micaceous.
Steenkool		1	—		**Coal.**
Sandsteen, grofkorrelrig		2	—		Sandstone, coarse-grained.
Steenkool		6	—		**Coal.**
Sandsteen, grofkorrelrig		2½	—		Sandstone, coarse-grained.
Steenkool		2½	—		**Coal.**
Sandsteen, koolstofhoudend ...	1	2	—		Sandstone, carbonaceous.
Skalie hoofsaaklik	1	5	546	6	Shale mainly.
Steenkool; hoofsaaklik swaar matkool.	2	2	—		**Coal;** mainly dull, heavy coal.
Skalie, vaal, gemengde skalieagtige steenkool en piriet.	1	5	—		Shale, grey, mixed shaly coal and pyrites.
Steenkool, gemeng, dowwer by bo-ent; piriethoudend.	3	2	—		**Coal,** mixed, duller at top; pyritic.
Steenkool; hoofsaaklik swaar matkool.		4	—		**Coal;** mainly dull heavy coal.
Steenkool, gemeng, met 'n 1-dm. pirietlens 5 dm. van bo af en 'n 2-dm. piriethoudende laag 8 dm. van onder af.	3	2	—		**Coal,** mixed, with a pyrite lens 5 in. from top and a 2-in. pyritic band 8 in. from bottom.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Steenkool; hoofsaaklik matkool, met 2 dm. vaal en swart skalie by bo-ent en 'n 2-dm. pirietknol 4 dm. van onder af.	1 2	557 9	Coal; mainly dull coal, with 2 in. grey and black shale at top and a 2-in. pyrite nodule 4 in. from bottom.
Sandsteen, fyngelaag, mikadraend, vaal en swart, en growwe swart sandsteenlae, om die beurt.	27 3	585 0	Sandstone, finely banded, micaceous, grey to black, and coarse black sandstone bands, alternating.

BOORGAT 67 : MC CABES VLEY 1371 : BOREHOLE 67

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 450	N.G.	2	170 2	N.S.
B	Glanskool, gelaag, plekplek skalieagtig; kalsiethoudend.	10	—	Coal, bright, shaly in parts; calcitic.
	N.G.	73	—	N.S.
	N.G.	13	—	N.S.
	N.G.	28	—	N.S.
	N.G.	20	—	N.S.
	N.G.	6	—	N.S.
A	Glanskool, gelaag, kalsiethoudend.	16	184 0	Coal, bright, banded, calcitic.
P 451	N.G.	59	188 11	N.S.
D	Glanskool, gelaag, plekplek skalieagtig.	18	—	Coal, bright, banded, shaly in parts.
	Skalie hoofsaaklik, en steenkool.	5	—	Shale mainly, and coal.
	Glanskool, gelaag, plekplek skalieagtig.	11	—	Coal, bright, banded, shaly in parts.
	N.G.	4	—	N.S.
C	Glanskool, gelaag, met skalieagtige lae by onderent.	13	—	Coal, bright, banded, with shaly bands at bottom.
	Skalie, koolstofhoudend.	4	—	Shale, carbonaceous.
	Glanskool, gelaag, kalsiet- en piriethoudend.	20	195 2 —	Coal, bright, banded, calcitic en pyritic.
	N.G.	60	210 0	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
B	Glanskool, gelaag, met skalieagtige lagies en 'n 1-dm. lagie hoofsaaklik swart skalie by onderent; kalsiethoudend.	11	—	Coal, bright, banded, with shaly bands and a 1-in. band of mainly black shale at bottom; calcitic.
A	Glanskool, gelaag, pikagtig, piriethoudend.	39	214 2	Coal, bright, banded, pitch-like, pyritic.
P 452	N.G.	16	215 6	N.S.
E	Glanskool, gelaag, en skalie, met enkele koolstofhoudende skalielae.	57	—	Coal, bright, banded, and shale, with some carbonaceous shale bands.
D	Glanskool, gelaag, en skalie.	56	—	Coal, bright, banded, and shale.
C	Glanskool, gelaag, plek-plek skalieagtig en piriethoudend, met 'n 2-dm. skalielaag 3 dm. van bo af en 'n 1-dm. skalielaag by onderent.	26	—	Coal, bright, banded, shaly and pyritic in parts, with a 2-in. shale band 3 in. from the top and a 1-in. shale band at bottom.
B	Glanskool, gelaag, pikagtig, met 'n 2-dm. skalielaag 13 dm. van bo af.	32	—	Coal, bright, banded, pitch-like, with a 2-in. shale band 13 in. from top.
A	Glanskool, gelaag, plek-plek skalieagtig.	20	231 5	Coal, bright, banded, shaly in parts.
P 453	N.G.	72½	237 5½	N.S.
C	Glanskool, gelaag, plek-plek skalieagtig; kalsiet- en piriethoudend.	19	—	Coal, bright, banded, shaly in parts; calcitic and pyritic.
	N.G.	297½	263 10	N.S.
B	Glanskool, gelaag, skalieagtig, met enkele skalielae; skoner na onder.	40	—	Coal, bright, banded, shaly, with some shale bands; cleaner towards bottom.
	N.G.	670	323 0	N.S.
A	Glanskool, gelaag, plek-plek skalieagtig en bevat siderietkorrels by onderent.	25	325 1	Coal, bright, banded, shaly in parts and siderite spotted at bottom.
P 454	N.G.	182	518 7	N.S.
	Steenkool; glanskool en matkool, gemeng, skalieagtig en piriethoudend.	81	525 4	Coal, bright and dull, mixed; shaly and pyritic.
P 455	N.G.	17	546 6	N.S.
D	Steenkool; hoofsaaklik swaar matkool.	26	—	Coal; mainly heavy, dull coal.
	N.G.	17	—	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
C	Steenkool, gemeng, dowwer by bo-ent; piriethoudend.	38	—	Coal, mixed, duller at top; pyritic.
	N.G.	4	—	N.S.
B	Steenkool, gemeng, met 'n pirietlens 5 dm. van bo af en 'n 2-dm. piriethoudende laag 8 dm. van onder af.	38	—	Coal, mixed, with a 1-in. pyrite lens 5 in. from top and a 2-in. pyritic band 8 in. from bottom.
A	Steenkool; hoofsaaklik matkool, met 2 dm. vaal en swart skalie by bo-ent; 'n 2-dm. pirietknol 4 dm. van onder af.	14	557 9	Coal; mainly dull coal, with 2 in. grey and black shale at top; a 2-in. pyrite nodule 4 in. from bottom.

BOORGAT 67 : MC CABES VLEY 1371 : BOREHOLE 67

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
											Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	Dryfsel Float 1·45	Dryfsel Float 1·58
P 450 B	10	—	—	—	—	2·0	26·8	30·6	40·7	—	46·2	9·6	72·5	14·9	3½	3½
A	16	—	—	—	—	2·1	26·0	32·2	39·7	—	49·0	10·0	72·8	16·2	3½	3½
P 451 D_1	—	−1	1·45	43·2	11·6	2·8	17·9	33·0	46·3	3½	70·3	9·5	90·4	13·9	4	3
D_2	—	−1	1·45	56·8	—	2·2	36·1	27·1	34·6	—	12·6	10·3	49·2	18·0	2½	2
D	34	—	—	—	—	2·5	28·3	29·6	39·7	—	37·5	9·6	67·0	15·6	3½	2½
C_1	—	−1	1·45	53·6	11·8	2·5	16·3	34·1	47·1	4	74·3	9·1	91·7	13·4	4	3½
C_2	—	−1	1·45	46·4	—	1·8	47·9	23·2	27·1	—	13·4	10·4	27·1	17·2	3½	2
C	37	—	—	—	—	2·2	31·0	29·0	37·8	—	46·0	9·3	61·7	14·2	4	3
B	11	—	—	—	—	1·9	34·4	27·2	36·4	—	33·8	7·9	51·4	14·7	4	2½
A_1	—	−1	1·45	69·2	12·4	2·2	13·3	35·4	49·1	4½	82·3	8·4	94·1	10·8	4½	3
A_2	—	−1	1·45	30·8	—	1·9	31·1	30·0	37·0	—	30·6	10·4	57·8	15·4	3	2½
A	39	—	—	—	—	2·1	18·9	33·7	45·4	—	66·4	8·8	82·9	11·8	4	3
P 452 E	57	—	—	—	—	2·0	35·8	26·2	36·0	—	29·0	8·3	49·9	14·8	3½	2
D_1	—	−1	1·45	33·3	12·1	2·7	14·3	32·7	50·6	3½	76·1	5·8	87·9	9·1	3½	3½
D_2	—	−1	1·45	66·7	—	2·0	37·1	25·1	35·8	—	20·6	8·8	45·3	15·6	2	1½Ag
D	56	—	—	—	—	2·2	29·5	27·5	40·7	—	39·1	6·9	59·5	12·4	3	—
C_1	—	−1	1·45	57·0	12·1	2·8	13·6	33·9	49·7	3	79·4	6·5	89·7	8·9	4	3½
C_2	—	−1	1·45	43·0	—	1·7	46·4	22·2	29·7	—	12·6	8·9	33·9	14·6	2	2
C	26	—	—	—	—	2·3	27·7	28·9	41·1	—	50·7	6·8	65·7	10·2	3	2½
B_1	—	−1	1·45	79·4	12·1	2·6	13·5	34·8	49·1	4½	82·7	8·2	94·4	10·8	4½	−4
B_2	—	−1	1·45	20·6	—	1·7	44·0	24·0	30·3	—	16·4	10·9	34·2	15·6	3	2½
B	32	—	—	—	—	2·4	19·8	32·6	45·2	—	69·0	8·3	82·0	11·2	4	3½
A_1	—	−1	1·45	60·0	11·2	2·7	17·8	33·0	46·5	3	68·6	8·9	89·4	14·2	4	3
A_2	—	−1	1·45	40·0	—	2·2	32·9	28·0	36·9	—	36·4	10·2	54·7	17·4	2½	1½Ag
A	20	—	—	—	—	2·5	23·9	31·0	42·7	—	55·7	9·2	75·5	15·1	3½	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-standdele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
P 453 C_1	—	−1	1·45	57·8	11·9	1·9	16·8	34·4	46·9	3½	73·0	9·2	91·2	14·0	4½	4
C_2	—	−1	1·45	42·2	—	1·4	34·3	28·5	35·8	—	25·5	10·4	52·8	18·2	3½	2
C	19	—	—	—	—	1·7	24·2	31·9	42·2	—	53·0	9·4	75·0	15·2	4	3½
B	40	—	—	—	—	2·6	32·1	27·4	37·9	—	39·1	8·7	57·4	13·9	3½	3
A_1	—	−1	1·45	63·4	11·9	2·2	17·0	35·7	45·1	4½	73·2	9·3	88·8	12·7	5½	4½
A_2	—	−1	1·45	36·6	—	1·3	32·2	33·4	33·1	—	41·2	9·8	56·8	14·2	5	4
A	25	—	—	—	—	1·9	22·6	34·9	40·7	—	61·5	9·4	77·1	13·1	5½	4½
P 454																
A_1A_2	—	−1	1·58	74·5	12·0	2·2	15·9	24·4	57·5	F	56·2	6·3	84·4	11·0	F	—
A_3	—	−1	1·58	25·5	—	1·4	37·5	21·2	39·9	—	9·1	—	26·6	11·8	F	—
A	81	—	—	—	—	2·0	21·4	23·6	53·0	—	44·2	—	69·7	11·2	—	—
P 455 D	26	—	—	—	—	1·3	38·0	16·9	43·8	—	9·2	—	28·8	15·5	F	—
C_1	—	−1	1·58	66·9	12·1	1·8	15·3	25·6	57·3	—	54·3	6·7	84·2	10·7	1Ag	F
C_2	—	−1	1·58	33·1	—	0·5	45·6	18·3	35·6	—	4·4	—	12·9	14·0	—	F
C	38	—	—	—	—	1·4	25·3	23·2	50·1	—	37·8	—	60·6	10·9	—	—
B_1	—	−1	1·45	57·7	13·2	1·6	8·9	29·7	59·8	1½Ag	83·8	5·5	96·6	7·2	1Ag	1Ag
B_2	—	−1	1·45 —1·58	16·6	11·3	1·0	19·6	24·1	55·3	—	32·9	7·6	77·4	13·6	F	—
B_1B_2	—	−1	1·58	74·3	12·8	1·5	11·3	28·4	58·8	—	—	—	—	—	—	—
B_3	—	−1	1·58	25·7	—	0·8	50·2	21·4	27·6	—	3·4	—	8·3	10·7	—	—
B	38	—	—	—	—	1·3	21·3	26·6	50·8	—	54·7	—	70·7	8·5	—	—
A	14	—	—	—	—	1·8	37·1	18·9	42·2	—	17·3	6·8	40·9	12·3	F	—

BOORGAT 68 : HIEROMTRENT 1359 : BOREHOLE 68

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Grond		6	—		Soil.
Kleimateriaal? (Stampboor tot 61 vt.)	59	6	60	0	Clay material? (Jumper drill to 61 ft.)
Skalie en steenkool, verweer	2	8	62	8	Shale and coal, weathered.
Glanskool, skalieagtig		3	—		Coal, bright, shaly.
Skalie		4	—		Shale.
Glanskool, pikagtig	1	0	—		Coal, bright, pitch-like.
Skalie		4	—		Shale.
Glanskool, gelaag		4	—		Coal, bright, banded.
Skalie		3	—		Shale.
Glanskool, gelaag		9	—		Coal, bright, banded.
Glanskool, gelaag, sideriethoudend.		7	—		Coal, bright, banded, sideritic.
Skalie		2	—		Shale.
Glanskool, gelaag		8	—		Coal, bright, banded.
Skalie		10	—		Shale.
Glanskool, fyngelaag, en skalie	2	10	—		Coal, bright, finely banded, and shale.
Skalie, met steenkoollagies	1	1	—		Shale, with coal bands.
Glanskool, fyngelaag, en skalie	6	5	—		Coal, bright, finely banded and shale.
Skalie met steenkoollagies	2	1	—		Shale, with coal bands.
Glanskool, fyngelaag, en skalie; bros naby bo-ent; 'n 1-dm. skalielagie 9 dm. van bo af en 'n 2-dm. skalielagie 19 dm. van bo af.	2	9	83	4	Coal, bright, finely banded, and shale; brittle near top; a 1-in. shale band 9 in. from top and a 2-in. shale band 19 in. from top.
Skalie, met steenkoollagies	12	0	—		Shale, with coal bands.
Glanskool, met enkele skalielagies.	1	5	—		Coal, bright, with some shale bands.
Skalie, koolstofhoudend		7	97	4	Shale, carbonaceous.
Glanskool, gelaag, piriethoudend by onderent.	1	2	—		Coal, bright, banded, pyritic at bottom.
Skalie, met steenkoollagies	4	3	—		Shale, with coal bands.
Glanskool, gelaag, kalsiet- en piriethoudend, met 'n glyvlak in middel.	1	8	—		Coal, bright, banded, calcitic and pyritic, with a slickenside in middle.
Skalie, met steenkoollagies	5	3	—		Shale, with coal bands.
Glanskool, fyngelaag, en skalieagtige steenkool; erg piriethoudend in onderste 8 dm.	2	9	—		Coal, bright, finely banded and shaly; very pyritic in bottom 8 in.
Skalie, met steenkoollagies	12	6	—		Shale, with coal bands.
Glanskool, met skalielagies	1	0	—		Coal, bright, with shale bands.
Skalie, met steenkoollagies	6	4	—		Shale, with coal bands.
Glanskool, gelaag, met 2 dm. skalie in middel; 2 dm. naby middel is erg piriethoudend.	1	10	134	1	Coal, bright, banded, with 2 in. shale in middle; 2 in. near middle is very pyritic.
Skalie, met 'n paar steenkoollagies.	14	4	—		Shale, with a few coal bands.
Glanskool		11	—		Coal, bright.
Skalie, met steenkoollagies	27	7	176	11	Shale, with coal bands.
Skalie, steenkoolagtig, met steenkoollagies en skalieagtige steenkool.	14	8	191	7	Shale, coaly, with coal bands and shaly coal.
Matkool, swaar; onderste 7 dm. is glanskool.	2	11	—		Coal, dull, heavy; bottom 7 in. is bright.
Skalie, koolstofhoudend		7	—		Shale, carbonaceous.
Matkool, vuil, piriethoudend		10	—		Coal, dull, dirty, pyritic.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Steenkool, gemeng; hoofsaaklik matkool; piriethoudend.	10	—	**Coal**, mixed, mainly dull; pyritic.
Steenkool; hoofsaaklik swaar skalieagtige matkool.	1 10	—	**Coal**; mainly heavy, shaly, dull coal.
Glanskoollae en skalieagtige matkoollae; kalsiethoudend.	11	—	**Coal**; bright coal bands and shaly, dull coal bands; calcitic.
Glanskool, kalsiet- en piriethoudend.	1 3	—	**Coal**, bright, calcitic and pyritic.
Glanskool, piriethoudend, en skalieagtige steenkool.	1 0	201 9	**Coal**; bright, pyritic, and shaly coal.
Skalie, steenkoolagtig, en steenkool.	8	202 5	Shale, coaly, and coal.
Skalie, koolstofhoudend, met een 5-dm. steenkoollagie; onderste 10 vt. bevat fossiele.	35 1	237 8	Shale, carbonaceous, with one 5-in. coal band; bottom 10 ft. contains fossils.
Skalie, steenkoolagtig en koolstofhoudend.	2 6	240 2	Shale, coaly and carbonaceous.
Matkool, swaar, piriethoudend.	1 4	—	**Coal**, dull, pyritic.
Matkool hoofsaaklik, met twee lagies koolstofhoudende bros materiaal.	1 4	—	**Coal**; mainly dull, with two bands of carbonaceous, brittle material.
Matkool, met glanskoolstrepies en enkele pirietknolle.	6 11	—	**Coal**, dull, with bright coal stringers and an occasional pyrite nodule.
Matkool, en skalieagtige steenkool.	1 3	—	**Coal**, dull, and shaly coal.
Moddersteen	1	—	Mudstone.
Matkool, met baie min glanskool en enkele pirietknolle.	4 2	255 3	**Coal**, dull, with very little bright coal and an occasional pyrite nodule.
Glanskool, piriethoudend ...	1	255 4	**Coal**, bright, pyritic.
Matkool hoofsaaklik, met 'n 7-dm. glanskoollaag in middel.	3 2	—	**Coal**; mainly dull, with a 7-in. bright coal band in middle.
Steenkool, gemeng	1 2	—	**Coal**, mixed.
Steenkool, gemeng; hoofsaaklik matkool; piriethoudend.	1 1	—	**Coal**, mixed; mainly dull; pyritic.
Glanskool, gelaag, met 2 dm. skalieagtige sandsteen 4 dm. van onder af; onderste aansluiting met sandsteen toon 'n glyvlak met 'n hoek van 15° met die horisontaal.	1 2	—	**Coal**, bright, banded, with 2 in. shaly sandstone 4 in. from bottom; contact with sandstone shows a slip plane making an angle of 15° with the horizontal.
Sandsteen, skalieagtig en vol glyvlakke.	2	—	Sandstone, shaly and full of slip planes.
Glanskool, met 'n 1½-dm. pirietlaag 1 dm. van onder af.	7	262 8	**Coal**, bright, with a 1½-in. pyrite band 1 in. from bottom.
Sandsteen, baie fynkorrelrig, gelaag, mikadraend, vaal.	8 9	271 5	Sandstone, very fine-grained, laminated, micaceous, grey.
Glanskool, gelaag, erg piriethoudend by onderent.	7	—	**Coal**, bright, banded, very pyritic at bottom.
Skalie, koolstofhoudend, sanderig.	2	—	Shale, carbonaceous, sandy.
Matkool, swaar	9	—	**Coal**, dull, heavy.
Matkool, met enkele glanskoolstrepies; 5 dm. gemengde, piriethoudende steenkool 10 dm. van onder af.	4 2	—	**Coal**, dull, with an occasional bright coal stringer; 5 in. mixed, pyritic coal 10 in. from bottom.
Piriet en bros, koolstofhoudende materiaal.	6	—	Pyrite and brittle, carbonaceous material.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Matkool, met enkele glanskoolstrepies; plek-plek swaar.	2 0	—	Coal, dull, with an occasional bright coal stringer; heavy in parts.
Steenkool, gemeng; hoofsaaklik matkool, met 1 dm. piriet 20 dm. van onder af.	4 2	283 9	Coal, mixed, mainly dull, with 1 in. pyrite 20 in. from bottom.
Sandsteen, baie fynkorrelrig, golfvormig gelaagd, mikadraend, vaal.	9 5	—	Sandstone, very fine-grained, laminated in wavy layer fashion; micaceous, grey.
Sandsteen, middelkorrelrig, grys, effens veldspaties.	9 6	—	Sandstone, medium - grained, grey, slightly felspathic.
Sandsteen, fyn- tot middelkorrelrig, gelaag, mikadraend, grys, met swart skalieagtige lagies in onderste 5 vt.	17 4	—	Sandstone, fine- to medium-grained, laminated, micaceous, grey, with black shaly bands in bottom 5 ft.
Sandsteen, grys tot swart, effens veldspatiese lagies, en swart effens skalieagtige sandsteenlagies, wissel mekaar af op golfvormige wyse.	13 9	334 0	Sandstone; grey to black, slightly felspathic bands alternating in wavy layer fashion with black slightly shaly sandstone bands.
Matkool, met enkele gemengde steenkoollagies, kalsiethoudend by bo-ent.	5 0	339 0	Coal, dull, with an occasional mixed coal band; calcitic at top.
Sandsteen, effens skalieagtig ...	1 6	340 6	Sandstone, slightly shaly.

BOORGAT 68 : HIEROMTRENT 1359 : BOREHOLE 68

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 443	N.G.	32	62 8	N.S.
D	**Glanskool,** skalieagtig.	3	—	**Coal,** bright, shaly.
	Skalie	4	—	Shale.
	Glanskool, pikagtig ...	12	—	**Coal,** bright, pitch-like.
	Skalie	4	—	Shale.
	Glanskool, gelaag ...	4	—	**Coal,** bright, banded.
	Skalie; swart	3	—	Shale, black.
	Glanskool, gelaag ...	9	—	**Coal,** bright, banded.
	Glanskool, gelaag, sideriethoudend.	7	—	**Coal,** bright, banded, sideritic.
	Skalie	2	—	Shale.
	Glanskool gelaag ...	8	—	**Coal,** bright, banded.
	N.G.	10	—	N.S.
C	**Glanskool,** fyngelaag, en skalie	34	—	**Coal,** bright, finely banded, and shale.
	N.G.	13	—	N.S.
B	**Glanskool,** fyngelaag, en skalie.	77	—	**Coal,** bright, finely banded, and shale.
	N.G.	25	—	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
A	**Glanskool,** fyngelaag, en skalie; bros naby boent; 'n 1-dm. skalielagie 9 dm. van bo af en 'n 2-dm. skalielagie 19 dm. van bo af.	33	83 4	**Coal,** bright, finely banded, and shale, brittle near top; a 1-in. shale band 9 in. from top and a 2-in. shale band 19 in. from top.
P 444	N.G.	7	97 4	N.S.
D	**Glanskool,** gelaag, piriethoudend by onderent.	14	—	**Coal,** bright, banded, pyritic at bottom.
	N.G.	51	—	N.S.
C	**Glanskool,** gelaag, kalsiet- en piriethoudend, met 'n glyvlak in middel.	20	—	**Coal,** bright, banded, calcitic and pyritic, with a slickenside in middle.
	N.G.	63	—	N.S.
B	**Glanskool,** fyngelaag, en skalieagtige steenkool; erg piriethoudend in onderste 8 dm.	33	—	**Coal,** bright, finely banded, and shaly coal; very pyritic in bottom 8 in.
	N.G.	150	—	N.S.
	N.G.	12	—	N.S.
	N.G.	76	—	N.S.
A	**Glanskool,** gelaag, 2 dm. skalie in middel.	22	134 1	**Coal,** bright, banded; 2 in. shale in middle.
P 445	N.G.	176	191 7	N.S.
F	**Matkool,** swaar, onderste 7 dm. is glanskool.	35	—	**Coal,** dull, heavy, bottom 7 in. is bright.
	N.G.	7	—	N.S.
	N.G.	10	—	N.S.
E	**Steenkool,** gemeng; hoofsaaklik matkool; piriethoudend.	10	—	**Coal,** mixed, mainly dull; pyritic.
D	**Steenkool;** hoofsaaklik swaar, skalieagtige matkool.	22	—	**Coal;** mainly dull, shaly coal.
C	**Glanskoollae** en skalieagtige matkoollae; kalsiethoudend.	11	—	**Coal;** bright coal bands and shaly, dull coal bands; calcitic.
B	**Glanskool,** kalsiet- en piriethoudend.	15	—	**Coal,** bright, calcitic and pyritic.
A	**Glanskool,** piriethoudend, en skalieagtige steenkool.	12	201 9	**Coal,** bright, pyritic, and shaly coal.
P 446	N.G.	30	240 2	N.S.
	Matkool, swaar, piriethoudend.	16	—	**Coal,** dull, heavy, pyritic.
D	**Matkool** hoofsaaklik, met twee lagies koolstofhoudende, bros materiaal.	16	—	**Coal;** mainly dull, with two bands of carbonaceous brittle material.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. In.	*Vt. Dm. Ft. In.*	
C	**Matkool,** met glanskoolstrepies en enkele pirietknolle.	83	—	**Coal,** dull, with bright coal stringers and an occasional pyrite nodule.
B	**Matkool** en skalieagtige steenkool.	15	—	**Coal,** dull, and shaly coal.
	N.G.	1	—	N.S.
A	**Matkool,** met baie min glanskool en enkele pirietknolle.	50	255 3	**Coal,** dull. with very little bright coal and an occasional pyrite nodule.
P 447	N.G.	1	255 4	N.S.
E	**Matkool** hoofsaaklik; met 'n 7-dm. glanskoollaag in middel.	38	—	**Coal,** mainly dull, with a 7-in. bright coal band in middle.
D	**Steenkool,** gemeng ...	14	—	**Coal,** mixed.
C	**Steenkool,** gemeng; hoofsaaklik matkool; piriethoudend.	13	—	**Coal,** mixed, mainly dull; pyritic.
B	**Glanskool,** gelaag, met 2 dm. skalieagtige sandsteen 4 dm. van onder af.	14	—	**Coal,** bright, banded, with 2 in. shaly sandstone 4 in. from bottom.
	N.G.	2	—	N.S.
A	**Glanskool,** met 'n 1½-dm. pirietlaag 1 dm. van onder af uitgesluit.	7	262 8	**Coal,** bright, with a 1½-in. pyrite band 1 in. from bottom excluded.
P 448	N.G.	105	271 5	N.S.
E	**Glanskool,** gelaag, erg piriethoudend by onderent.	7	—	**Coal,** bright, banded, very pyritic at bottom.
	N.G.	2	—	N.S.
D	**Matkool,** swaar	9	—	**Coal,** dull, heavy.
C	**Matkool,** met enkele glanskoolstrepies; 5 dm. gemengde, piriethoudende steenkool 10 dm. van onder af.	50	—	**Coal,** dull, with an occasional bright coal stringer; 5 in. mixed. pyritic coal 10 in. from bottom.
	N.G.	6	—	N.S.
B	**Matkool,** met enkele glanskoolstrepies, plek-plek swaar.	24	—	**Coal,** dull, with an occasional bright coal stringer; heavy in parts.
A	**Steenkool,** gemeng; hoofsaaklik matkool; 1 dm. piriet 20 dm. van onder af.	50	283 9	**Coal,** mixed; mainly dull; 1 in. pyrite 20 in. from bottom.
P 449	N.G.	165	334 0	N.S.
	Matkool, met enkele gemengde steenkoollagies; kalsiethoudend by bo-ent.	60	339 0	**Coal,** dull, with an occasional mixed coal band; calcitic at top.

BOORGAT 68 : HIEROMTRENT 1359 : BOREHOLE 68

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool)* PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
P 443 D	56	—	—	—	—	1·3	38·4	25·0	35·3	—	31·4	9·6	47·2	16·4	4½	4
C	34	—	—	—	—	1·5	34·4	25·7	38·4	—	36·5	9·0	52·0	15·6	4	2
B	77	—	—	—	—	1·5	35·2	25·6	37·7	—	34·4	8·9	49·7	16·1	4	2½
A_1	—	−1	1·45	35·3	12·6	2·0	13·1	34·1	50·8	5	79·7	7·0	93·8	10·3	4½	4
A_2	—	−1	1·45	64·7	—	1·3	47·6	21·7	29·4	—	13·8	11·5	30·7	18·9	3½	1½Ag
A	33	—	—	—	—	1·5	35·2	26·1	37·1	—	37·1	8·1	53·0	13·5	5	4½
P 444 D	14	—	—	—	—	1·7	23·4	30·3	44·6	—	45·3	7·9	69·9	12·4	5	4½
C	20	—	—	—	—	1·4	31·2	29·0	38·4	—	36·6	8·1	54·9	14·1	5	4
B_1	—	−1	1·45	42·5	12·1	1·6	16·6	36·3	45·5	4½	71·8	9·1	93·3	14·2	4½	4
B_2	—	−1	1·45	57·5	—	0·8	36·5	29·5	33·2	—	21·0	9·4	43·9	15·8	4½	3½
B	33	—	—	—	—	1·1	28·0	32·4	38·4	—	42·6	9·2	64·9	14·8	4½	4
A_1	—	−1	1·45	46·8	13·2	1·8	11·1	36·9	50·2	4½	86·5	6·3	94·4	8·1	5½	4
A_2	—	−1	1·45	53·2	—	0·9	42·7	24·4	32·0	—	17·3	8·4	28·3	14·3	4	3
A	22	—	—	—	—	1·3	27·9	30·3	40·5	—	49·7	6·7	59·2	9·7	5	3½
P 445 F	35	—	—	—	—	2·0	28·2	22·8	47·0	—	16·0	9·1	48·5	15·2	1Ag	1Ag
E	10	—	—	—	—	1·9	25·7	22·7	49·7	—	19·4	8·5	60·9	14·6	1Ag	1Ag
D	22	—	—	—	—	1·8	32·7	23·1	42·4	—	18·5	7·4	35·9	13·9	2½	1Ag
C_1	—	−1	1·45	45·7	13·6	2·3	8·1	34·3	55·3	3½	92·5	5·5	95·7	5·8	4½	4
C_2	—	−1	1·45	54·3	—	1·7	42·1	22·2	34·0	—	9·0	8·2	20·1	15·3	—	1Ag
C	11	—	—	—	—	2·0	26·6	27·7	43·7	—	47·2	5·8	54·6	8·1	—	—
B_1	—	−1	1·45	69·6	13·6	1·7	8·7	35·5	54·1	4	90·3	5·5	96·1	6·7	4½	4½
B_2	—	−1	1·45	30·4	—	1·0	39·9	24·7	34·4	—	11·1	9·0	20·3	14·0	2½	1Ag
B	15	—	—	—	—	1·5	18·2	32·2	48·1	—	66·2	6·0	73·1	7·3	4	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
A_1	—	−1	1·45	26·4	13·0	1·7	11·9	33·2	53·2	2½	85·0	7·5	94·7	9·3	4	2½
A_2	—	−1	1·45	73·6	—	1·3	42·4	20·6	35·7	—	7·0	9·4	16·0	14·5	—	1Ag
A	12	—	—	—	—	1·4	34·3	23·9	40·4	—	27·6	7·9	36·8	11·0	—	—
P 446 D	32	—	—	—	—	2·6	22·9	17·3	57·2	—	23·8	4·7	57·1	9·4	P	—
C_1	—	−1	1·59	89·6	13·0	2·8	10·1	21·1	66·0	—	73·0	5·3	94·1	7·9	P	—
C_2	—	−1	1·59	10·4	—	1·2	47·6	19·3	31·9	—	4·0	—	10·3	12·1	P	—
C	83	—	—	—	—	2·6	14·0	20·9	62·5	—	66·0	—	85·4	8·0	P	—
B	15	—	—	—	—	2·2	35·5	17·4	44·9	—	5·3	—	26·1	13·9	—	—
A_1	—	−1	1·59	74·3	11·9	2·4	16·1	18·9	62·6	—	33·1	7·3	84·0	12·4	F	—
A_2	—	−1	1·59	25·7	—	2·0	27·1	16·7	44·2	—	5·7	—	23·8	15·5	—	—
A	50	—	—	—	—	2·3	21·5	18·3	57·9	—	26·1	—	68·5	12·8	—	—
P 447 E	38	—	—	—	—	1·6	20·3	21·2	56·9	—	40·5	6·2	72·9	10·7	1Ag	F
D_1	—	−1	1·45	86·3	—	—	—	—	—	—	—	—	—	—	—	—
D_2	—	−1	1·45	13·7	—	—	—	—	—	—	—	—	—	—	—	—
C_1	—	−1	1·45	72·4	—	—	—	—	—	—	—	—	—	—	—	—
C_2	—	−1	1·45	27·6	—	—	—	—	—	—	—	—	—	—	—	—
B_1	—	−1	1·45	82·9	—	—	—	—	—	—	—	—	—	—	—	—
B_2	—	−1	1·45	17·1	—	—	—	—	—	—	—	—	—	—	—	—
A_1	—	−1	1·45	100·0	—	—	—	—	—	—	—	—	—	—	—	—
A_2	—	−1	1·45	0·0	—	—	—	—	—	—	—	—	—	—	—	—
$A_1+B_1+C_1+D_1$	—	−1	1·45	85·4	13·8	2·3	6·2	27·7	63·8	1Ag	88·3	3·6	97·6	5·0	1Ag	1Ag
$A_2+B_2+C_2+D_2$	—	−1	1·45	14·6	—	1·8	32·9	21·0	44·3	—	19·6	7·0	51·9	13·9	1Ag	F

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
A+B+C+D	46½	—	—	—	—	2·2	10·1	26·7	61·0	—	78·3	3·8	90·9	5·7	—	—
P 448 E_1	—	−1	1·45	55·0	13·4	2·0	8·4	31·3	58·3	2½	86·1	4·1	93·1	5·5	3	2½
E_2	—	−1	1·45	45·0	—	1·5	44·9	20·6	33·0	—	9·2	—	19·9	9·1	1½Ag	1½Ag
E	7	—	—	—	—	1·8	24·8	26·5	46·9	—	51·5	—	60·2	6·4	—	—
D	9	—	—	—	—	1·4	35·5	16·0	47·1	—	3·7	—	35·6	16·8	—	F
C_1	—	−1	1·58	91·8	12·4	1·6	14·1	22·5	61·8	—	52·2	7·2	90·7	11·6	F	—
C_2	—	−1	1·58	8·2	—	1·6	31·9	16·7	49·8	—	4·5	—	26·7	16·7	—	—
C	50	—	—	—	—	1·6	15·6	22·0	60·8	—	48·3	—	85·5	11·7	—	—
B_1	—	−1	1·58	53·8	12·4	1·8	14·8	24·1	59·3	—	48·9	6·6	91·7	12·6	1½Ag	F
B_2	—	−1	1·58	46·2	—	1·5	36·6	16·3	45·6	—	2·1	—	24·1	15·8	—	F
B	24	—	—	—	—	1·7	24·9	20·5	53·0	—	27·3	—	60·5	13·2	—	—
A_1	—	−1	1·45	72·9	13·2	2·3	9·8	26·1	61·8	1Ag	77·5	6·6	97·7	9·0	1Ag	1Ag
A_2	—	−1	1·45 —1·58	20·5	11·7	1·8	18·1	21·0	59·1	—	25·8	7·6	86·1	15·1	F	—
A_1A_2	—	−1	1·58	93·4	12·9	2·2	11·6	25·0	61·2	—	—	—	—	—	—	—
A_3	—	−1	1·58	6·6	—	0·9	47·6	19·4	32·1	—	4·6	—	10·9	14·0	—	—
A	50	—	—	—	—	2·1	14·0	24·6	59·3	—	62·1	—	89·6	10·2	—	—
P 449 A_1	—	−1	1·58	85·4	12·7	1·4	12·9	23·9	61·8	—	58·9	6·3	91·4	10·0	1Ag	F
A_2	—	−1	1·58	14·6	—	1·1	41·6	19·2	38·1	—	3·5	—	17·1	14·5	—	F
A	60	—	—	—	—	1·4	17·1	23·2	58·3	—	50·8	—	80·6	10·1	—	—

BOORGAT 69 : LEEUWDRIFT 1370 : BOREHOLE 69

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Moddersteen (stampboor) ...	67	6	—		Mudstone (jumper drill).
Steenkool, skalieagtig		7	—		Coal, shaly.
Skalie, swart.		3	68	4	Shale, black.
Glanskool, gelaag		9	—		Coal, bright, banded.
Skalie en steenkoollae	1	10	—		Shale and coal bands.
Glanskool, gelaag	2	5	—		Coal, bright, banded.
Glanskool en sideriet, gemeng ...	1	6	74	10	Coal, bright, and siderite, mixed.
Skalie, koolstofhoudend, en skalie.	15	5	90	3	Shale, carbonaceous, and shale.
Glanskool, gelaag, met 4 dm. koolstofhoudende skalie 11 dm. van bo af, 4 dm. koolstofhoudende skalie 19 dm. van bo af en 4 dm. koolstofhoudende skalie 5 dm. van onder af.	3	4	—		Coal, bright, banded, with 4 in. carbonaceous shale 11 in. from top, 4 in. carbonaceous shale 19 in. from top and 4 in. carbonaceous shale 5 in. from bottom.
Skalie, koolstofhoudend		10	—		Shale, carbonaceous.
Glanskool, dungelaag, en skalie.	3	7	98	0	Coal, bright, thinly banded, and shale.
Skalie, koolstofhoudend	1	2	99	2	Shale, carbonaceous.
Glanskool, dungelaag, en skalie.	3	5	—		Coal, bright, thinly banded, and shale.
Skalie, swart, en steenkool; hoofsaaklik skalie.		4	—		Shale, black, and coal; mainly shale.
Glanskool, dungelaag, en skalie.	2	9	—		Coal, bright, thinly banded, and shale.
Skalie, koolstofhoudend, en steenkool; hoofsaaklik skalie.	1	7	—		Shale, carbonaceous, and coal; mainly shale.
Glanskool, gelaag, plek-plek skalieagtig, met 3 dm. koolstofhoudende skalie 17 dm. van bo af en 3 dm. koolstofhoudende skalie 11 dm. van onder af.	3	11	11	2	Coal, bright, banded, shaly in parts, with 3 in. carbonaceous shale 17 in. from top and 3 in. carbonaceous shale 11 in. from bottom.
Skalie, koolstofhoudend, met 'n paar steenkoollae.	27	11	139	1	Shale, carbonaceous, with a few coal bands.
Glanskool, gelaag, skalieagtig ...	1	8	140	9	Coal, bright, banded, shaly.
Glanskool, sideriet, en erg piriethoudende steenkool.	1	1	141	10	Coal, bright, siderite, and very pyritic coal.
Skalie en steenkool; skalie oorwegend.	40	6	182	4	Shale and coal; mainly shale.
Glanskool, gelaag, en koolstofhoudende skalie in afwisselende lae.	3	0	185	4	Coal, bright, banded, and carbonaceous shale in alternating bands.
Skalielae en steenkoollae; skalie oorwegend.	32	9	218	1	Shale and coal bands; mainly shale.
Skalielae en swaar matkoollae, afwisselend.	6	5	—		Shale and heavy dull coal bands, alternating.
Matkool, swaar, en glanskool, gemeng; hoofsaaklik matkool.	2	4	—		Coal, dull, heavy, and bright, coal, mixed; mainly dull coal.
Skalie, steenkoolagtig		6	—		Shale, coaly.
Matkool, swaar, en glanskool, gemeng; hoofsaaklik matkool; piriethoudend na onder en 1 dm. moddersteen in middel.	4	9	—		Coal, dull, heavy, and bright coal, mixed; mainly dull coal; pyritic towards bottom and 1 in. mudstone in middle.
Skalie, swart, en koolstofhoudende moddersteen, met 'n bietjie steenkool.		9	—		Shale, black, and carbonaceous mudstone, with a little coal.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Steenkool, gemeng, plek-plek erg skalieagtig.	2	5	235	3	**Coal,** mixed, very shaly in places.
Skalie, swart	3	2	—		Shale, black.
Skalie, steenkoolagtig	1	9	—		Shale, coaly.
Skalie, swart	1	6	241	8	Shale, black.
Skalie, swart, met enkele steenkoollagies.	1	10	243	6	Shale, black, with occasional coal bands.
Glanskool, gelaag, kalsiethoudend en plek-plek sideriethoudend.	2	6	246	0	**Coal,** bright, banded, calcitic and sideritic in places.
Skalie, koolstofhoudend	1	4	—		Shale, carbonaceous.
Sandsteen, gelaag, fynkorrelrig, skalieagtig, vaal.		8	—		Sandstone, laminated, fine-grained, shaly, grey.
Sandsteen, grofkorrelrig, vaal.		4	—		Sandstone, coarse-grained, grey.
Sandsteen, gelaag, fynkorrelrig, skalieagtig, vaal, met glanskoolstrepies in boonste paar duim.	2	7	—		Sandstone, laminated, fine-grained, shaly, grey, with bright coal stringers in top few inches.
Sandsteen, skalieagtig, gelaag.	3	4	254	7	Sandstone, shaly, laminated.
Skalie, steenkoolagtig en koolstofhoudend.	3	4	257	7	Shale, coaly and carbonaceous.
Glanskool, gelaag, een helfte erg skalieagtig.	3	7	261	2	**Coal,** bright, banded, one half is very shaly.
Skalie, steenkoolagtig en koolstofhoudend.	1	8	—		Shale, coaly and carbonaceous.
Sandsteen, fynkorrelrig, gelaag, skalieagtig.	6	9	—		Sandstone, fine-grained, laminated, shaly.
Skalie, steenkoolagtig		9	—		Shale, coaly.
Sandsteen, koolstofhoudend		4	—		Sandstone, carbonaceous.
Skalie, ligbruin	2	6	—		Shale, light brown.
Skalie, swart	2	5	—		Shale, black.
Skalie, steenkoolagtig, en skalieagtige steenkool.	6	0	—		Shale, coaly, and shaly coal.
Sandsteen, middelkorrelrig, mikadraend, gelaag, grys, plek-plek piriethoudend.	12	10	—		Sandstone, medium-grained, micaceous, laminated, grey, pyritic in parts.
Sandsteen, middelkorrelrig, veldspaties, grys tot wit.	12	3	306	8	Sandstone, medium-grained, felspathic, grey to white.
Steenkool; hoofsaaklik matkool, met enkele swart skalielae.	1	11	—		**Coal;** mainly dull coal, with occasional black shale bands.
Matkool, met baie min glanskool.	2	8	—		**Coal,** dull, with very little bright coal.
Steenkool, gemeng; hoofsaaklik matkool; piriethoudend.	2	5	313	8	**Coal,** mixed, mainly dull; pyritic.
Sandsteen, fynkorrelrig, mikadraend, gelaag, vaal tot swart.	9	2	322	10	Sandstone, fine-grained, micaceous, laminated, grey to black.
Glanskool, gelaag		5	—		**Coal,** bright, banded.
Sandsteen		4	—		Sandstone.
Skalie, vaal, en swaar steenkool.		5	—		Shale, grey, and heavy coal.
Matkool, met baie min glanskool.	2	2	—		**Coal,** dull, with very little bright coal.
Steenkool, gemeng, kalsiet- en piriethoudend.		3	—		**Coal,** mixed, calcitic and pyritic.
Matkool, met enkele glanskoollagies.	2	11	—		**Coal,** dull, with occasional bright coal stringers.
Glanskoollae en gemengde, hoofsaaklik matkoollae, afwisselend.	3	3	—		**Coal;** alternating bright bands and mixed, mainly dull coal bands.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Skalie, swart	1	—	Shale, black.
Matkool, met baie min glanskool.	1 2	—	Coal, dull, with very little bright coal.
Steenkool, gemeng; hoofsaaklik matkool.	3 8	337 6	Coal, mixed; mainly dull.
Sandsteen, fynkorrelrig, mikadraend, gelaag, vaal tot swart.	9 6	347 0	Sandstone, fine-grained, micaceous, laminated, grey to black.

BOORGAT 69 : LEEUWDRIFT 1370 : BOREHOLE 69

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 456	N.G.	3	68 4	N.S.
D	**Glanskool,** gelaag ...	9	—	Coal, bright, banded.
	N.G.	22	—	N.S.
C	**Glanskool,** gelaag ...	29	—	Coal, bright, banded.
	N.G.	18	—	N.S.
	N.G.	185	—	N.S.
B	**Glanskool,** gelaag, met drie 4-dm. koolstofhoudende skalielae, 11 dm., 19 dm. en 31 dm. van bo af respektiewelik.	40	—	Coal, bright, banded. with three 4-in. carbonaceous shale bands 11 in., 19 in. and 31 in. from top respectively.
	N.G.	10	—	N.S.
A	**Glanskool,** dungelaag, en skalie.	43	98 0	Coal, bright, thinly banded, and shale.
P 457	N.G.	14	99 2	N.S.
C	**Glanskool,** dungelaag, en skalie.	41	—	Coal, bright, thinly banded, and shale.
	N.G.	4	—	N.S.
	Glanskool, dungelaag, en skalie.	33	—	Coal, bright, thinly banded, and shale.
	N.G.	19	—	N.S.
B	**Glanskool,** gelaag, plekplek skalieagtig, met twee 3-dm. lae koolstofhoudende skalie 17 dm. en 33 dm. van bo af respektiewelik.	47	—	Coal, bright, banded, shaly in parts, with two 3-in. carbonaceous shale bands 17 in. and 33 in. from top respectively.
	N.G.	335	139 1	N.S.
A	**Glanskool,** gelaag, skalieagtig.	20	140 9	Coal, bright, banded, shaly.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 458	N.G.	—	182 4	N.S.
D	Glanskool, gelaag, en koolstofhoudende skalie om die beurt.	36	—	Coal, bright, banded, and carbonaceous shale in alternating bands.
	N.G.	393	—	N.S.
	N.G.	77	—	N.S.
C	**Matkool**, swaar, en glanskool, gemeng ; hoofsaaklik matkool.	28	—	Coal, dull, heavy, and bright coal. mixed ; mainly dull coal.
	N.G.	6	—	N.S.
B	**Matkool**, swaar, en glanskool, gemeng ; piriethoudend na onder en 1 dm. moddersteen in middel.	57	—	Coal, dull, heavy, and bright coal, mixed; pyritic towards bottom and 1 in. mudstone in middle.
	N.G.	9	—	N.S.
A	**Steenkool**, gemeng, plek-plek erg skalieagtig.	29	235 3	Coal, mixed, very shaly in places.
P 524	N.G.	22	243 6	N.S.
B	Glanskool, gelaag, kalsiethoudend en plek-plek sideriethoudend.	30	—	Coal, bright, banded, calcitic and sideritic in places.
	N.G.	16	—	N.S.
	N.G.	8	—	N.S.
	N.G.	4	—	N.S.
	N.G.	31	—	N.S.
	N.G.	40	—	N.S.
	N.G.	40	257 7	N.S.
A	Glanskool, gelaag; een helfte erg skalieagtig.	43	261 2	Coal, banded, bright; one half is very shaly.
P 459	N.G.	147	306 8	N.S.
C	Steenkool; hoofsaaklik matkool, met enkele swart skalielae. ...	23	—	Coal; mainly dull coal, with occasional black shale bands.
B	Matkool, met baie min glanskool.	32	—	Coal, dull, with very little bright coal.
A	**Steenkool**, gemeng; hoofsaaklik matkool; piriethoudend.	29	313 8	Coal, mixed; mainly dull; pyritic.
P 460	N.G.	110	322 10	N.S.
F	Glanskool, gelaag ...	5	—	Coal, bright, banded.
	N.G.	4	—	N.S.
	N.G.	5	—	N.S.
E	Matkool, met baie min glanskool.	26	—	Coal, dull, with very little bright coal.
	Steenkool, gemeng, kalsiet- en piriethoudend.	3	—	Coal, mixed, calcitic and pyritic.
D	Matkool, met enkele glanskoolstrepies.	35	—	Coal, dull, with occasional bright coal stringers.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
C	Glanskoollae en gemengde, hoofsaaklik matkoollae om die beurt.	39	—	Coal; alternating bright coal bands and mixed, mainly dull coal bands.
	N.G.	1	—	N.S.
B	Matkool, met baie min glanskool.	14	—	Coal, dull, with very little bright coal.
A	Steenkool, gemeng; hoofsaaklik matkool.	44	337 6	Coal, mixed; mainly dull.

BOORGAT 69 : LEEUWDRIFT 1370 : BOREHOLE 69

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size. In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
P 456 D	9	—	—	—	—	2·3	21·1	31·3	45·3	—	60·5	9·0	79·3	13·2	3	2½
C_1	—	−1	1·45	76·2	12·2	2·3	15·0	33·6	49·1	3½	84·0	10·5	91·3	11·7	5	5
C_2	—	−1	1·45	23·8	—	1·8	28·9	29·3	40·0	—	30·3	10·9	66·9	18·8	3½	3½
C	29	—	—	—	—	2·2	18·3	32·6	46·9	—	71·2	10·6	85·6	12·9	4½	4½
B_1	—	−1	1·45	33·2	12·2	1·9	14·7	35·1	48·5	4½	76·0	7·9	90·9	11·3	4½	4
B_2	—	−1	1·45	66·8	—	1·1	51·5	20·4	27·0	—	8·4	10·2	20·1	17·3	2½	2
B	40	—	—	—	—	1·4	39·3	25·3	34·1	—	30·8	8·3	43·6	13·1	2	3
A_1	—	−1	1·45	14·8	12·4	1·9	13·2	34·0	50·9	3	76·2	6·3	90·9	9·0	3½	3½
A_2	—	−1	1·45 —1·58	39·4	—	1·9	27·1	30·0	40·9	1Ag	43·3	8·7	65·4	14·8	1½Ag	1½Ag
A_1A_2	—	−1	1·58	54·2	—	1·9	23·4	31·1	43·6	—	—	—	—	—	—	—
A_3	—	−1	1·58	45·8	—	1·0	46·3	23·5	29·2	—	14·3	9·6	25·9	15·9	F	—
A	43	—	—	—	—	1·5	33·9	27·6	37·1	—	34·9	8·1	51·1	13·5	—	—
P 457 C_1	—	−1	1·45	20·1	12·5	1·5	12·7	34·4	51·4	4½	77·5	5·7	90·0	8·4	5	4
C_2	—	−1	1·45 —1·58	31·1	—	1·1	26·4	29·7	42·8	—	43·3	8·0	63·5	13·9	4	3
C_1C_2	—	−1	1·58	51·2	—	1·3	21·0	31·5	46·2	—	—	—	—	—	—	—
C_3	—	−1	1·58	48·8	—	1·3	46·8	22·3	29·6	—	14·9	—	26·0	15·3	2	1Ag
C	78	—	—	—	—	1·3	33·6	27·0	38·1	—	36·3	—	50·5	12·3	4	—
B_1	—	−1	1·45	27·3	12·5	1·7	13·0	35·3	50·0	4	79·4	6·3	90·6	9·1	4	3½
B_2	—	−1	1·45	72·7	—	1·5	45·2	23·4	29·9	—	15·7	10·6	32·9	16·3	3	1½Ag
B	47	—	—	—	—	1·6	36·4	26·6	35·4	—	33·1	7·8	48·7	12·6	4	—
A_1	—	−1	1·45	62·5	12·0	2·3	16·6	34·4	46·7	4½	71·7	9·0	89·9	13·1	5	4½
A_2	—	−1	1·45	37·5	—	1·7	31·3	29·3	37·7	—	33·9	10·7	56·4	16·6	3½	3½
A	20	—	—	—	—	2·1	22·2	32·5	43·3	—	57·5	9·4	77·3	14·1	4½	4

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (–16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (–16 mesh B.S.S.)					
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
											Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	Dryfsel Float 1·45	Dryfsel Float 1·58
P 458 D_1	—	–1	1·45	32·5	12·8	1·9	11·0	36·0	51·1	3	87·4	6·3	92·8	7·3	3½	3
D_2	—	–1	1·45	67·5	—	1·3	53·1	21·6	24·0	—	7·0	8·4	20·8	12·8	—	1Ag
D	36	—	—	—	—	1·5	39·5	26·3	32·8	—	33·1	6·6	44·2	9·0	—	—
C	28	—	—	—	—	1·2	31·8	22·5	44·5	—	7·3	8·5	39·7	15·6	—	F
B	57	—	—	—	—	1·0	30·3	25·8	42·9	—	18·0	7·6	46·8	12·8	1½Ag	1Ag
A	29	—	—	—	—	0·9	30·5	26·5	42·1	—	12·8	6·7	45·3	11·8	2½	1Ag
P 524 B	30	—	—	—	—	2·4	25·3	35·3	38·0	—	56·2	10·1	70·8	13·1	2½	2
A	43	—	—	—	—	2·5	31·8	27·2	38·3	—	43·8	9·9	63·2	13·9	1½Ag	1½Ag
P 459 C_1	—	–1	1·58	57·0	11·8	1·8	16·6	19·1	62·5	—	39·4	6·4	82·1	11·6	F	—
C_2	—	–1	1·58	43·0	—	1·3	45·7	15·6	37·4	—	3·4	—	16·7	15·8	—	—
C	23	—	—	—	—	2·2	29·1	18·2	51·6	—	23·2	—	54·0	12·2	—	—
B_1	—	–1	1·58	85·1	11·7	1·9	17·9	19·9	60·3	—	26·4	7·5	85·3	14·3	F	—
B_2	—	–1	1·58	14·9	—	1·1	39·9	17·0	42·0	—	6·5	8·1	21·4	15·8	—	—
B	32	–1	1·58	—	—	1·8	21·2	19·5	57·6	—	23·4	7·5	75·8	14·5	—	—
A_1	—	–1	1·45	60·8	13·1	1·6	9·5	27·9	61·0	1Ag	80·7	6·1	96·2	7·8	1½Ag	F
A_2	—	–1	1·45 –1·58	19·8	11·2	1·5	20·7	20·8	57·0	—	26·3	7·7	73·0	14·7	F	—
A_1A_2	—	–1	1·58	80·6	12·6	1·6	12·2	26·2	60·0	—	—	—	—	—	—	—
A_3	—	–1	1·58	19·4	—	1·1	47·5	21·0	30·4	—	5·0	—	8·8	10·7	F	—
A	29	—	—	—	—	1·5	19·1	25·2	54·3	—	55·2	—	74·7	9·2	—	—
P 460 F	5	—	—	—	13·4	2·7	7·5	31·1	58·7	2½	89·9	3·7	94·0	4·2	2	2
E_1	—	–1	1·58	65·8	—	—	—	—	—	—	—	—	—	—	—	—
E_2	—	–1	1·58	34·2	—	—	—	—	—	—	—	—	—	—	—	—
D_1	—	–1	1·58	81·6	—	—	—	—	—	—	—	—	—	—	—	—
D_2	—	–1	1·58	18·4	—	—	—	—	—	—	—	—	—	—	—	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size. In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
D_1E_1	—	−1	1·58	74·4	11·9	2·7	15·3	22·7	59·3	F	44·6	7·2	88·0	12·4	F	—
D_2E_2	—	−1	1·58	25·6	—	2·0	37·6	18·4	42·0	—	5·0	—	25·4	14·9	—	—
DE	64	—	—	—	—	2·5	21·0	21·6	54·9	—	34·5	—	72·0	12·7	—	—
C_1	—	−1	1·45	49·8	12·8	2·0	10·8	28·8	58·8	1Ag	78·2	6·3	93·9	8·5	1½Ag	1Ag
C_2	—	−1	1·45 —1·58	33·5	11·2	1·6	20·3	21·3	56·8	—	29·3	7·7	73·0	13·8	F	—
C_1C_2	—	−1	1·58	83·3	12·2	1·8	14·5	25·7	58·0	—	—	—	—	—	—	—
C_3	—	−1	1·58	16·7	—	1·1	38·3	17·6	43·0	—	3·9	—	22·3	14·6	—	—
C	39	—	—	—	—	1·7	18·5	24·3	55·5	—	49·4	—	74·9	10·5	—	—
B_1	—	−1	1·58	83·1	—	—	—	—	—	—	—	—	—	—	—	—
B_2	—	−1	1·58	16·9	—	—	—	—	—	—	—	—	—	—	—	—
A_1	—	−1	1·58	87·8	—	—	—	—	—	—	—	—	—	—	—	—
A_2	—	−1	1·58	12·2	—	—	—	—	—	—	—	—	—	—	—	—
A_1B_1	—	−1	1·58	86·7	12·4	1·5	13·2	25·3	60·0	—	60·4	7·1	92·2	10·6	1½Ag	F
A_2B_2	—	−1	1·58	13·3	—	1·2	36·2	22·1	40·5	—	8·2	—	27·7	13·1	1½Ag	F
AB	58	—	—	—	—	1·5	16·3	24·9	57·3	—	53·5	—	83·6	10·7	—	—

BOORGAT 70 : HIEROMTRENT 1359 : BOREHOLE 70

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Grond	1 0	—	Soil.
Moddersteen? (stampboor) ...	62 5	63 5	Mudstone? (jumper drill).
Glanskool, gelaag, plek-plek skalieagtig; 2 dm. bros, kalsiethoudende steenkool naby onderent.	3 2	—	**Coal,** bright, banded, shaly in parts; 2 in. brittle, calcitic coal near bottom.
Skalie, met 'n paar glanskoolstrepies.	5	—	Shale, with a few bright coal stringers.
Glanskool, gelaag; bo-ent skalieagtig en met siderietkorrels by onderent; plek-plek erg piriethoudend.	3 3	—	**Coal,** bright, banded, shaly at top and siderite-spotted at bottom; very pyritic in places.
Steenkool, kalsiet- en piriethoudend.	1 2	71 5	**Coal,** pyritic and calcitic.
Skalie, met steenkoollae	21 6	92 11	Shale, with coal bands.
Glanskoollae, gelaag, en koolstofhoudende skalielae om die beurt.	1 11	—	**Coal** bands, banded, bright, and carbonaceous shale bands alternating.
Skalie	4	—	Shale.
Glanskool, gelaag, met 'n 2-dm. skalielaag naby bo-ent.	1 5	—	**Coal,** bright, banded, with a 2-in. shale band near top.
Skalie en steenkool; hoofsaaklik skalie.	1 2	—	Shale and coal; mainly shale.
Glanskool, gelaag, skalieagtig by bo-ent, met 'n laag sideriet en steenkool naby onderent.	11	98 8	**Coal,** banded, bright, shaly at top, with a band of siderite and coal near bottom.
Skalie, met steenkoollae	1 6	100 2	Shale, with coal bands.
Glanskool, gelaag, skalieagtig, knollerig, piriethoudend en plek-plek fusiethoudend.	3 10	104 0	**Coal,** bright, banded, shaly, nodular, pyritic and fusainous in parts.
Skalie, koolstofhoudend, en skalieagtige steenkool.	2 6	—	Shale, carbonaceous, and shaly coal.
Glanskool, gelaag, skalieagtig; bevat drie 2-dm. koolstofhoudende skalielae en plek-plek siderietkorrels en piriet.	5 5	111 11	**Coal,** bright, banded, shaly; contains three 2-in. carbonaceous shale bands, and is siderite-spotted and pyritic in parts.
Skalie, met steenkoollagies ...	18 3	130 2	Shale, with coal bands.
Skalie en steenkool	1 7	—	Shale and coal.
Glanskool, gelaag, piriethoudend, en bevat siderietkorrels en 'n 2-dm. skalielaag naby onderent.	1 8	133 5	**Coal,** bright, banded, pyritic, and contains siderite pellets and a 2-in. shale band near bottom.
Skalie, met steenkoollae	11 1	144 6	Shale, with coal bands.
Glanskool, gelaag; onderste deel erg gebreek.	2 1	146 7	**Coal,** bright, banded; bottom portion very much broken.
Hoofsaaklik sideriet en piriet ...	11	—	Mainly siderite and pyrite.
Skalie, met steenkoollagies ...	36 3	183 9	Shale, with coal bands.
Steenkool; hoofsaaklik gelaagde glanskool.	1 0	184 9	**Coal;** mainly bright, banded coal.
Skalie, met steenkoollagies ...	25 3	210 0	Shale, with coal bands.
Skalie, steenkoolagtig, met enkele glanskoollagies.	9 3	—	Shale, coaly, with occasional bright coal bands.
Hoofsaaklik swart skalie, met enkele steenkoolagtige skalielae.	9 0	228 3	Mainly black shale, with occasional coaly shale bands.
Matkool, swaar, met enkele piriethoudende glanskoollagies.	6 2	—	**Coal,** dull, heavy, with occasional pyritic bright coal bands.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Glanskool, dungelaag, kalsiet- en piriethoudend; 1 dm. skalie naby bo-ent; kern erg gebreek.	2	7	237	0	Coal, bright, thinly banded, calcitic and pyritic; 1 in. shale near top; core much broken.
Skalie, met steenkoollagies en skalieagtige steenkool.	5	0	242	0	Shale, with coal bands and shaly coal.
Matkool, glansend by onderent; piriethoudend.	1	11	—		Coal, dull, bright at bottom; pyritic.
Skalie, steenkoolagtig	1	0	—		Shale, coaly.
Matkool, piriethoudend	2	3	247	2	Coal, dull, pyritic.
Skalie, vaal.	11	0	—		Shale, grey.
Skalie, met baie glyvlakke		8	—		Shale, with many slip planes.
Steenkool, swaar	1	10	260	8	Coal, heavy.
Matkool, met 'n 3-dm. koolstofhoudende skalielaag by onderent; piriethoudend.	1	6	—		Coal, dull, with a 3-in. carbonaceous shale band at bottom; pyritic.
Steenkool; hoofsaaklik matkool; piriethoudend.	2	6	—		Coal; mainly dull; pyritic.
Koolstofhoudende, kleiagtige materiaal.		7	—		Carbonaceous, clayey material.
Matkool, met twee koolstofhoudende skalielae naby bo-ent en twee naby onderent; piriethoudend.	3	5	—		Coal, dull, with two carbonaceous shale bands near top and two near bottom; pyritic.
Matkool, met baie min glanskool.	4	3	—		Coal, dull, with very little bright coal.
Steenkool; hoofsaaklik matkool; erg piriethoudend; bevat baie vuil lagies (B.N.I.).	2	11	—		Coal; mainly dull; very pyritic; contains many dirty bands (F.R.I.).
Matkool, swaar, glansend by bo-ent.	1	6	—		Coal, dull, heavy, bright at top.
Steenkool, gemeng, gelaag	1	6	—		Coal, mixed, banded.
Hoofsaaklik skalie		2	—		Mainly shale.
Glanskool, gelaag, plek-plek piriethoudend; kern erg gebreek.	3	4	282	4	Coal, bright, banded, pyritic in places; core much broken.
Sandsteen, fynkorrelrig, gelaag, mikadraend, vaal.	9	9	—		Sandstone, fine-grained, laminated, micaceous, grey.
Sandsteen, grintagtig, swart, met fynkorrelrige lagies.	2	8	294	9	Sandstone, gritty, black, with fine-grained bands.
Glanskool, gelaag, dof by bo-ent.	1	0	—		Coal, bright, banded, dull at top.
Matkool, swaar	1	2	—		Coal, dull, heavy.
Matkool, swaar, breë lae, met dunner lae van hoofsaaklik glanskool; kalsiethoudend.	3	5	—		Coal, dull, heavy, broad bands, with thinner bands of mainly bright coal; calcitic.
Steenkool, swaar, en piriet	1	5	—		Coal, heavy, and pyrite.
Steenkool; lae van hoofsaaklik matkool en lae van hoofsaaklik glanskool om die beurt; plek-plek skalieagtig en piriethoudend.	7	3	309	0	Coal; alternating bands of mainly dull coal and mainly bright coal; shaly and pyritic in places.
Sandsteen, fynkorrelrig, gelaag, mikadraend, vaal.	11	0	—		Sandstone, fine-grained, laminated, micaceous, grey.
Sandsteen, middelkorrelrig, vaal tot wit, met enkele grofkorrelrige, gelaagde, mikadraende, sandsteenlagies.	5	2	—		Sandstone, medium-grained, grey to white, with occasional coarse-grained, laminated, micaceous sandstone bands.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sandsteen; afwisselende lae van swart, mikadraende, fynkorrelrige, gelaagde sandsteen en swart tot vaal, grofkorrelrige, veldspatiese sandsteen.	12	4	—		Sandstone; alternating bands of black, micaceous, fine-grained, laminated sandstone and black to grey coarse-grained, felspathic sandstone.
Sandsteen, grofkorrelrig, grys; onderste deel wissel af met swart, fynkorrelrige lagies.	7	7	—		Sandstone, coarse-grained, grey; bottom portion alternates with black, fine-grained bands.
Sandsteen, middelkorrelrig, en koolstofhoudende, skalieagtige sandsteen.	2	6	—		Sandstone, medium-grained, and carbonaceous, shaly sandstone.
Sandsteen, grofkorrelrig, vaal, veldspaties.	4	3	—		Sandstone, coarse-grained, grey, felspathic.
Sandsteen, skalieagtig, koolstofhoudend, swart tot vaal.		2	352	0	Sandstone, shaly, carbonaceous, black to grey.
Matkool, met enkele glanskoollagies na onder; piriethoudend.	5	6	357	6	**Coal,** dull, with occasional bright bands towards bottom; pyritic.
Sandsteen, fynkorrelrig.	1	0	—		Sandstone, fine-grained.
Matkool, swaar		7	—		**Coal,** dull, heavy.
Sandsteen, piriethoudend ...		2	359	3	Sandstone, pyritic.

BOORGAT 70 : HIEROMTRENT 1359 : BOREHOLE 70

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth		Nature of strata
		Dm. *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
P 436	N.G.	—	63	5	N.S.
C	**Glanskool,** gelaag, plek-plek skalieagtig, met 2 dm. bros, kalsiethoudende steenkool naby onderent.	38	—		**Coal,** bright, banded, shaly in places, with 2 in. brittle, calcitic coal near bottom.
	N.G.	5	—		N.S.
B	**Glanskool,** gelaag; boent skalieagtig en met siderietkorrels by onderent; plek-plek erg sideriethoudend.	39	—		**Coal,** bright, banded, shaly at top and siderite spotted at bottom; very pyritic in places.
A	**Steenkool,** kalsiet- en piriethoudend.	14	71	5	**Coal,** calcitic and pyritic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth		Nature of strata
		Dm. In.	*Vt. Ft.*	*Dm. In.*	
P 437	N.G.	258	92	11	N.S.
E	Glanskoollae, gelaag, en koolstofhoudende skalielae om die beurt.	23	—		Coal bands, bright, banded, and carbonaceous shale bands, alternating.
	Skalie	4	—		Shale.
	Glanskool, gelaag, met 'n 2-dm. skalielagie naby bo-ent.	17	—		Coal, bright, banded, with a 2-in. shale band near top.
	Skalie en steenkool; hoofsaaklik skalie.	14	—		Shale and coal; mainly shale.
	Glanskool, gelaag, skalieagtig by bo-ent, met 'n laag sideriet en steenkool naby onderent.	11	—		Coal, bright, banded, shaly at top, with a band of siderite and coal near bottom.
	N.G.	18	—		N.S.
D	**Glanskool,** gelaag, skalieagtig, knollerig, piriethoudend en plek-plek fusiethoudend.	46	—		Coal, bright, banded, shaly, nodular, pyritic, and fusainous in places.
	N.G.	30	—		N.S.
C	**Glanskool,** gelaag, skalieagtig; bevat drie 2-dm. koolstofhoudende skalielae, en plek-plek siderietkorrels en piriet.	65	—		Coal, bright, banded, shaly; contains three 2-in. carbonaceous shale bands and is siderite-spotted and pyritic in parts.
	N.G.	219	130	2	N.S.
	N.G.	19	—		N.S.
B	**Glanskool,** gelaag, piriethoudend, en bevat siderietkorrels en 'n 2-dm. skalielaag naby onderent.	20	—		Coal, bright, banded, pyritic, and contains siderite pellets and a 2-in. shale band near bottom.
	N.G.	133	—		N.S.
A	**Glanskool,** gelaag; onderste deel erg gebreek.	25	146	7	Coal, bright, banded; bottom portion very much broken.
P 438	N.G.	—	183	9	N.S.
D	**Steenkool;** hoofsaaklik gelaagde glanskool.	12	—		Coal; mainly banded, bright coal.
	N.G.	303	210	0	N.S.
	N.G.	111	—		N.S.
	N.G.	108	228	3	N.S.
C	**Matkool,** swaar, met enkele piriethoudende glanskoollagies.	74	—		Coal, dull, heavy, with occasional pyritic bright coal bands.
B	**Glanskool,** dun gelaag, kalsiet- en piriethoudend; 1 dm. skalie naby bo-ent; kern erg gebreek.	31	—		Coal, bright, thinly banded, calcitic and pyritic; 1 in. shale near top; core very much broken.
	N.G.	60	—		N.S.
A	**Matkool,** glansend by onderent; piriethoudend.	23	—		Coal, dull, lustrous at bottom; pyritic.
	N.G.	12	—		N.S.
	Matkool, piriethoudend	27	247	2	Coal, dull, pyritic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 439	N.G.	22	260 8	N.S.
G	Matkool, met 'n 3-dm. koolstofhoudende skalielagie by onderent; piriethoudend.	18	—	Coal, dull, with a 3-in. carbonaceous shale band at bottom; pyritic.
F	Steenkool; hoofsaaklik matkool; piriethoudend.	30	—	Coal; mainly dull coal; pyritic.
E	Koolstofhoudende, kleiagtige materiaal.	7	—	Carbonaceous, clayey material.
D	Matkool, met twee koolstofhoudende skalielae naby bo-ent en twee naby onderent; piriethoudend.	41	—	Coal, dull, with two carbonaceous shale bands near top and two near bottom; pyritic.
C	Matkool, met baie min glanskool.	51	—	Coal, dull, with very little bright coal.
B	Steenkool; hoofsaaklik matkool; erg piriethoudend; bevat baie vuil lagies (B.N.I.).	35	—	Coal; mainly dull coal; very pyritic; contains many dirty bands. (F.R.I.).
A	Matkool, swaar, glansend by bo-ent.	18	277 4	Coal, dull, heavy, lustrous at top.
P 440				
B	Steenkool, gemeng, gelaag.	18	278 10	Coal, mixed, banded.
	N.G.	2	—	N.S.
A	Glanskool, gelaag, plek-plek piriethoudend; kern erg gebreek.	40	282 4	Coal, bright, banded, pyritic in places; core badly broken.
P 441	N.G.	32	294 9	N.S.
D	Glanskool, gelaag, dof by bo-ent.	12	—	Coal, bright, banded, dull at top.
C	Matkool, swaar	14	—	Coal, dull, heavy.
B	Matkool, swaar, breë lae, met dunner lae van hoofsaaklik glanskool; kalsiethoudend.	41	—	Coal, dull, heavy, broad bands, with thinner bands of mainly bright coal; calcitic.
	N.G.	17	—	N.S.
A	Steenkool; lae van hoofsaaklik matkool en lae van hoofsaaklik glanskool om die beurt; plek-plek skalieagtig en piriethoudend.	87	309 0	Coal; alternating bands of mainly dull coal and mainly bright coal; shaly and pyritic in places.
P 442	N.G.	2	352 0	N.S.
	Matkool, met enkele glanskoollagies na onder; piriethoudend.	66	357 6	Coal, dull, with occasional bright coal bands towards bottom; pyritic.

BOORGAT 70 : HIEROMTRENT 1359 : BOREHOLE 70

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Opbrengs Yield %	As Ash %	Opbrengs Yield %	As Ash %	1·45	1·58
P 436 C$_1$	—	−1	1·45	85·6	—	2·1	14·0	35·2	48·7	4½	80·8	8·6	94·0	11·5	4½	4
C$_2$	—	−1	1·45	14·4	—	1·6	30·8	28·5	39·1	—	34·1	10·4	59·6	17·6	4	2½
C	38	—	—	—	—	2·0	16·4	34·2	47·4	—	74·1	8·8	89·0	12·1	4½	3½
B$_1$	—	−1	1·45	69·7	—	1·8	14·7	34·8	48·7	5	78·8	8·3	91·9	11·4	5	4½
B$_2$	—	−1	1·45	30·3	—	1·5	34·8	27·0	36·7	—	27·3	11·5	56·2	19·1	4½	3½
B	39	—	—	—	—	1·7	20·8	32·4	45·1	—	63·2	8·7	81·1	12·9	5	4
A$_1$	—	−1	1·59	53·5	—	1·7	22·5	31·2	44·6	—	60·0	9·0	76·0	13·1	5½	4½
A$_2$	—	−1	1·59	46·5	—	1·2	43·1	26·9	28·8	—	22·0	11·5	28·9	17·9	4½	2½
A	14	—	—	—	—	1·5	32·1	29·2	37·2	—	42·3	9·6	54·1	14·3	4	4
P 437 E$_1$	—	−1	1·45	31·9	—	2·1	13·4	34·1	50·4	5	78·8	7·1	91·4	10·1	6	4½
E$_2$	—	−1	1·45	68·1	—	1·3	47·7	22·1	28·9	—	15·6	10·7	27·4	18·4	3	1Ag
E	69	—	—	—	—	1·6	36·8	25·9	35·7	—	35·8	8·1	47·8	13·2	5	—
D$_1$	—	−1	1·45	32·5	—	2·1	13·9	32·9	51·1	4	77·1	6·8	90·8	9·6	5	4
D$_2$	—	−1	1·45	67·5	—	1·6	38·5	25·3	34·6	—	23·4	9·1	40·8	17·2	3½	1½
D	46	—	—	—	—	1·8	30·5	27·8	39·9	—	40·9	7·1	57·1	13·2	4½	3
C$_1$	—	−1	1·45	24·5	—	2·1	13·4	33·5	51·0	5	75·5	5·8	89·2	9·2	5	4½
C$_2$	—	−1	1·45	75·5	—	1·5	36·2	24·8	37·5	—	28·4	8·7	47·3	16·4	4½	2½
C	65	—	—	—	—	1·6	30·6	26·9	40·9	—	39·9	8·0	57·6	13·5	5	3½
B$_1$	—	−1	1·45	40·7	—	2·2	10·5	34·8	52·5	5	82·8	5·2	92·1	7·3	6	3
B$_2$	—	−1	1·45	59·3	—	1·1	47·9	22·0	29·0	—	16·0	10·4	28·6	17·4	4½	2½
B	20	—	—	—	—	1·5	32·7	27·2	38·6	—	43·2	6·4	54·4	10·5	5½	3
A$_1$	—	−1	1·45	53·1	—	1·8	17·4	35·4	45·4	5½	70·5	8·8	86·6	12·1	5	4½
A$_2$	—	−1	1·45	46·9	—	1·4	31·7	30·1	36·8	—	35·0	10·4	56·7	17·2	4½	2
A	25	—	—	—	—	1·6	24·1	32·9	41·4	—	53·9	9·5	72·6	14·8	5	3½

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
P 438 D	12	—	—	—	—	1·8	15·6	34·1	48·5	3½	72·1	7·8	92·2	12·5	3½	2½
C	74	—	—	—	—	1·2	29·9	23·7	45·2	—	24·2	6·5	49·1	14·3	1Ag	F
B_1	—	−1	1·45	54·0	—	1·5	8·5	36·6	53·4	5	90·5	5·4	96·5	6·7	6	4
B_2	—	−1	1·45	46·0	—	1·4	42·6	23·8	32·2	—	14·1	8·7	22·3	15·7	3½	1Ag
B	31	—	—	—	—	1·5	24·2	30·7	43·6	—	55·4	5·8	62·4	8·2	5½	—
A	50	—	—	—	—	1·5	33·2	20·4	44·9	—	10·2	8·1	35·8	14·4	—	F
P 439 G_1	—	−1	1·59	59·6	12·9	2·0	9·4	22·8	65·8	—	—	—	—	—	—	—
G_2	—	−1	1·59	40·4	—	1·2	33·6	24·2	41·0	—	—	—	—	—	—	—
G	18	—	—	—	—	1·7	19·2	25·3	53·9	—	—	—	—	—	—	—
F_1	—	−1	1·59	92·2	13·2	2·0	8·7	21·9	67·4	—	—	—	—	—	—	—
F_2	—	−1	1·59	7·8	—	0·9	42·4	18·9	37·8	—	—	—	—	—	—	—
F	30	—	—	—	—	1·9	11·3	21·7	65·1	—	—	—	—	—	—	—
E	7	—	—	—	—	1·8	26·5	23·2	48·5	—	—	—	—	—	—	—
D_1	—	−1	1·59	57·4	12·4	1·7	13·4	21·2	63·7	—	—	—	—	—	—	—
D_2	—	−1	1·59	42·6	—	1·2	47·1	17·4	34·3	—	—	—	—	—	—	—
D	41	—	—	—	—	1·5	27·8	19·6	51·1	—	—	—	—	—	—	—
C_1	—	−1	1·59	78·9	11·6	1·9	18·0	19·1	61·0	—	—	—	—	—	—	—
C_2	—	−1	1·59	21·1	—	0·9	41·1	18·6	39·4	—	—	—	—	—	—	—
C	51	—	—	—	—	1·7	22·9	19·0	56·4	—	—	—	—	—	—	—
B_1	—	−1	1·59	41·9	12·3	1·9	14·1	21·0	63·0	—	—	—	—	—	—	—
B_2	—	−1	1·59	58·1	—	0·8	45·3	24·9	29·0	—	—	—	—	—	—	—
B	35	—	—	—	—	1·3	32·2	23·3	43·3	—	—	—	—	—	—	—
A_1	—	−1	1·59	63·5	11·8	1·4	18·2	21·6	58·8	—	—	—	—	—	—	—
A_2	—	−1	1·59	36·5	—	0·6	37·5	18·2	43·7	—	—	—	—	—	—	—
A	18	—	—	—	—	1·1	25·2	21·4	52·3	—	—	—	—	—	—	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel; 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Opbrengs Yield %	As Ash %	Opbrengs Yield %	As Ash %	1·45	1·58
P 440 B_1	—	—1	1·45	82·5	12·9	2·2	10·8	24·4	62·6	F	73·9	6·3	95·0	9·5	F	—
B_2	—	—1	1·45	17·5	—	1·0	36·6	20·6	41·8	—	14·4	8·3	33·7	13·2	F	—
B	18	—	—	—	12·1	2·0	15·3	23·7	59·0	—	63·5	6·4	84·3	9·8	—	—
A_1	—	—1	1·45	77·8	13·8	1·9	6·2	32·0	59·9	3	92·2	4·1	97·7	5·2	2½	2½
A_2	—	—1	1·45	22·2	—	1·2	37·0	23·4	38·4	—	16·3	5·8	29·8	12·6	1½Ag	F
A	40	—	1·45	—	12·9	1·7	13·0	30·1	55·1	—	75·4	4·2	82·6	5·8	—	—
P 441 D	12	—	—	—	13·4	1·8	8·1	29·7	60·4	—	89·4	4·6	94·8	5·4	1½Ag	1Ag
C_1	—	—1	1·59	49·0	11·2	2·6	20·5	19·6	57·3	—	25·0	6·8	75·3	13·9	F	—
C_2	—	—1	1·59	51·0	—	1·5	36·2	15·6	46·7	—	6·7	7·3	34·8	15·7	—	—
C	14	—	—	—	—	2·0	28·5	17·6	51·9	—	15·7	6·9	54·6	14·4	—	—
B_1	—	—1	1·45	67·4	13·0	1·9	10·8	24·1	63·2	F	73·3	6·8	95·8	9·1	1Ag	P
B_2	—	—1	1·45—1·58	26·3	11·4	1·5	19·8	20·1	58·6	F	26·6	8·3	80·0	15·1	F	—
B_1B_2	—	—1	1·58	93·7	12·6	1·8	13·3	23·0	61·9	—	—	—	—	—	—	—
B_3	—	—1	1·58	6·3	—	1·5	35·3	24·0	39·2	—	7·7	6·9	29·4	16·2	—	—
B	41	—	—	—	—	1·8	14·7	23·0	60·5	—	56·9	7·0	87·5	10·7	—	—
A_1	—	—1	1·45	51·7	13·1	1·8	10·2	26·0	62·0	1Ag	75·4	6·3	96·6	9·2	1Ag	1Ag
A_2	—	—1	1·45—1·58	28·2	11·5	1·7	19·0	20·9	58·4	P	26·4	7·2	81·0	14·2	1Ag	F
A_1A_2	—	—1	1·58	79·9	12·5	1·8	13·3	24·3	60·6	—	—	—	—	—	—	—
A_3	—	—1	1·58	20·1	—	1·6	34·7	26·3	37·4	—	9·0	5·3	32·7	12·2	—	F
A	87	—	—	—	—	1·7	17·6	24·6	56·0	—	48·2	6·4	79·4	11·8	—	—
P 442 A_1	—	—1	1·59	77·6	12·7	1·8	12·8	23·9	61·5	—	63·0	5·9	90·9	9·3	1Ag	F
A_2	—	—1	1·59	22·4	—	0·8	52·2	19·8	27·2	—	4·8	9·3	7·7	11·5	—	F
A	66	—	—	—	—	1·6	21·6	23·0	53·8	—	50·0	6·3	72·3	9·5	—	—

BOORGAT 71 : DAARBY 1369 : BOREHOLE 71

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Moddersteen (stampboor) ...	56 0	—	Mudstone (jumper drill).
Skalie en steenkool	3 6	59 0	Shale and coal.
Glanskool, gelaag, met drie lagies koolstofhoudende skalie.	3 0	—	**Coal,** bright, banded, with three bands of carbonaceous shale.
Skalie, met steenkoollagies ...	1 6	63 6	Shale, with coal bands.
Skalie, en steenkoolagtige skalie.	1 0	—	Shale and coaly shale.
Glanskool, gelaag, plek-plek pikagtig en dungelaag, met skalie by bo-ent.	2 0	—	**Coal,** bright, banded, pitch-like in parts; thinly banded, with shale at top.
Glanskool, gelaag (kern erg gebreek en baie word vermis).	1 0	70 6	**Coal,** bright, banded (core badly broken and much missing).
(3 vt. kernverlies tussen 63 vt. 6 dm. en 70 vt. 6 dm.)			(3 ft. core-loss between 63 ft. 6 in. and 70 ft. 6 in.)
Skalie	5	70 11	Shale.
Glanskool, dungelaag, en skalie, met enkele pikagtige lagies.	2 9	—	**Coal,** bright, thinly banded, and shale, with occasional pitch-like bands.
Glanskool, gelaag, piriethoudend.	1 0	—	**Coal,** bright, banded, pyritic.
Skalie, koolstofhoudend	3	—	Shale, carbonaceous.
Glanskool, dungelaag, en skalie, met twee 2-dm. koolstofhoudende skalielagies.	1 6	—	**Coal,** bright, thinly banded, and shale, with two 2-in. carbonaceous shale bands.
Glanskool, gelaag, piriethoudend.	1 1	—	**Coal,** bright, banded, pyritic.
Hoofsaaklik swart skalie ...	5	—	Mainly black shale.
Glanskool, gelaag, plek-plek pikagtig; erg piriethoudend; plek-plek bros en bruinerig.	1 8	—	**Coal,** bright, banded, pitch-like in parts; very pyritic; brittle and brownish in parts.
Skalie, swart, met glyvlakke ...	3	—	Shale, black, with slip planes.
Glanskool, gelaag, plek-plek skalieagtig; 1 dm. skalie 12 dm. van onder af; piriethoudend.	2 5	83 8	**Coal,** bright, banded, shaly in parts; 1 in. shale 12 in. from bottom; pyritic.
(1 vt. 5 dm. kernverlies tussen 70 vt. 11 dm. en 83 vt. 8 dm.)			(1 ft. 5 in. core-loss between 70 ft. 11 in. and 83 ft. 8 in.)
Skalie, met steenkoollagies ...	3 2	86 10	Shale, with coal bands.
Glanskool, gelaag, met ½ dm. skalie 1 dm. van onder af.	10	—	**Coal,** bright, banded, with ½ in. shale 1 in. from bottom.
Skalie, vaal	5	—	Shale, grey.
Glanskool, pikagtig	4	—	**Coal,** bright, pitch-like.
Skalie, vaal	2	—	Shale, grey.
Glanskool, plek-plek pikagtig; piriet- en sideriethoudend.	1 10	90 5	**Coal,** bright, pitch-like in parts; pyritic and sideritic.
Skalie, met steenkoollagies ...	3 0	—	Shale, with coal bands.
Glanskool, gelaag, plek-plek skalieagtig en piriethoudend (kern gebreek by onderent).	3 5	—	**Coal,** bright, banded, shaly in parts and pyritic (core broken at bottom).
Skalie, met steenkoollagies ...	1 2	—	Shale with coal bands.
Glanskool, gelaag, plek-plek skalieagtig, met twee koolstofhoudende skalielagies; sideriet- en kalsiethoudend in middel.	2 7	102 9	**Coal,** bright, banded, shaly in places, with two carbonaceous shale bands; sideritic and calcitic in middle.
(26 dm. kernverlies).			(26 in. core-loss).
Skalie, met steenkoollagies ...	16 10	119 7	Shale, with coal bands.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Glanskool, gelaag	1	1	—		**Coal,** bright, banded.
Skalie, met steenkoollagies	5	4	—		Shale, with coal bands.
Glanskool, dungelaag, en skalie; sierietkorrels by onderent; plek-plek piriethoudend.	2	6	—		**Coal,** bright, thinly banded, and shale; siderite-spotted at bottom; pyritic in parts.
Skalie	1	5	—		Shale.
Glanskool, dungelaag, en skalie, met enkele koolstofhoudende skalielagies.	4	0	—		**Coal,** bright, thinly banded, and shale, with occasional carbonaceous shale bands.
Hoofsaaklik koolstofhoudende skalie.	1	6	—		Mainly carbonaceous shale.
Glanskool, gelaag, sideriet- en piriethoudend.		11	136	4	**Coal,** bright, banded, sideritic and pyritic.
Skalielae, koolstofhoudend, steenkoolagtige skalielae en gelaagde glanskoollae (groot kernverlies).	6	7	145	4	Shale bands, carbonaceous, coaly shale bands and banded bright coal bands (big core-loss).
Skalie, met steenkoollagies	39	2	—		Shale, with coal bands.
Glanskool, pikagtig, plek-plek skalieagtig (1 vt. 4 dm. kernverlies tussen 145 ft. 4 dm. en 185 ft. 10 dm.).	1	4	185	10	**Coal,** bright, pitch-like, shaly in parts (1 ft. 4 in. core-loss between 145 ft. 4 in. and 185 ft. 10 in.).
Skalie en steenkool; hoofsaaklik skalie.	37	0	222	10	Shale and coal; mainly shale.
Glanskool, pikagtig, kalsiet- en piriethoudend.	1	0	—		**Coal,** bright, pitch-like, calcitic and pyritic.
Skalie en steenkool	23	11	247	9	Shale and coal.
Skalie, steenkoolagtig, en skalieagtige steenkool.	4	6	—		Shale, coaly, and shaly coal.
Steenkool; afwisselende lae van hoofsaaklik glanskool en swaar matkool; 3 dm. koolstofhoudende skalie met glyvlakke 12 dm. van bo af.	3	10	—		**Coal;** alternating bands of mainly bright and heavy, dull coal; 3 in. carbonaceous shale with slip planes 12 in. from top.
Matkool hoofsaaklik	1	3	—		**Coal;** mainly dull.
Steenkool; afwisselende lae van pikagtige glanskool en skalieagtige matkool.		11	—		**Coal;** alternating bands of pitchlike bright coal and shaly, dull coal.
Glanskool, gelaag, en matkool; hoofsaaklik glanskool; ½ dm. skalie 3 dm. van onder af; kalsiet- en piriethoudend.	1	1	—		**Coal,** bright, banded, and dull coal; mainly bright; ½ in. shale 3 in. from bottom; calcitic and pyritic.
Skalie, met 'n moddersteenlaag in middel.		5	—		Shale, with a mudstone band in middle.
Glanskool, gelaag, pikagtig, met twee koolstofhoudende skalielagies in middel; kalsiethoudend.	1	0	—		**Coal,** bright, banded, pitchlike; with two carbonaceous shale bands in middle; calcitic.
Skalie en steenkool		6	—		Shale and coal.
Matkool en dungelaagde glanskool.		7	261	10	**Coal,** dull, and thinly banded bright coal.
Skalie, koolstofhoudend, met steenkoollagies.	9	2	—		Shale, carbonaceous, with coal bands.
Skalie, steenkoolagtig, en skalieagtige steenkool.	8	5	—		Shale, coaly, and shaly coal.
Skalie en steenkool	3	1	—		Shale and coal.
Skalie, vaal en ligbruin	10	2	292	8	Shale, grey and light brown.
Matkool, plek-plek skalieagtig.	2	5	—		**Coal,** dull, shaly in parts.
Matkool, met baie min glanskool.	6	2	—		**Coal,** dull, with very little bright coal.
Matkool, plek-plek swaar	2	4	—		**Coal,** dull, heavy in parts.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Matkool, met 2 dm. skalie by onderent.	2	10	—		Coal, dull, with 2 in. shale at bottom.
Matkool, glansend	1	2	—		Coal, dull and lustrous.
Matkool, plek-plek swaar ...	3	2	—		Coal, dull, heavy in parts.
Matkool, met enkele glanskoolstrepies.	3	7	—		Coal, dull, with occasional bright stringers.
Moddersteen, koolstofhoudend.		3	—		Mudstone, carbonaceous.
Steenkool, gemeng; meer glansend by onderent.	3	9	318	4	Coal, mixed; brighter at bottom.
Sandsteen, middel- tot fynkorrelrig, mikadraend; vaal, grys en swart om die beurt.	8	3	—		Sandstone, medium- to fine-grained, finely laminated, micaceous; grey and black alternating.
Sandsteen, fynkorrelrig, gelaag, mikadraend, swart, skalieagtig.	3	8	—		Sandstone, fine-grained, laminated, micaceous, black, shaly.
Sandsteen, middel- tot grofkorrelrig, veldspaties, grys, plek-plek koolstofhoudend.	3	4	333	7	Sandstone, medium- to coarse-grained, felspathic, grey, carbonaceous in parts.
Steenkool; hoofsaaklik matkool.	1	8	—		Coal; mainly dull.
Sandsteen, middelkorrelrig, koolstof- en piriethoudend.		5	—		Sandstone, medium-grained, carbonaceous and pyritic.
Matkool, met enkele glanskoolstrepies.	3	1	—		Coal, dull, with occasional bright stringers.
Steenkool, gemeng		8	—		Coal, mixed.
Matkool, swaar		6	—		Coal, dull, heavy.
Matkool, met enkele glanskoolstrepies.	3	4	—		Coal, dull, with occasional bright stringers.
Koolstofhoudende skalieagtige materiaal (B.N.I.).		3	—		Carbonaceous, shaly material (F.R.I.).
Matkool hoofsaaklik	2	8	346	2	Coal; mainly dull.
Sandsteen, fyngelaag, swart, mikadraend.	6	0	—		Sandstone, finely laminated, black, micaceous.
Glanskool		1	—		Coal, bright.
Sandsteen, swart, skalieagtig ...		2	—		Sandstone, black, shaly.
Sandsteen, wit, veldspaties ...	4	4	—		Sandstone, white, felspathic.
Sandsteen, fyn- tot middelkorrelrig, fyngelaag, mikadraend, swart tot grys, plek-plek veldspaties.	19	11	—		Sandstone, fine- to medium-grained, finely laminated, micaceous, black to grey, felspathic in parts.
Sandsteen, middel- tot grofkorrelrig, gelaag, grys tot swart, met swart skalieagtige lae in middel; veldspaties wanneer grys.	12	2	388	9	Sandstone, medium- to coarse-grained, laminated, grey to black, with black shaly bands in middle; felspathic when grey.
Matkool hoofsaaklik, met enkele pirietknolle.	5	4	394	1	Coal; mainly dull, with occasional pyrite nodules.
Sandsteen, fyngelaag, grys tot swart en koolstofhoudend, mikadraend, plek-plek skalieagtig.	5	11	400	0	Sandstone, finely laminated, grey to black and carbonaceous, micaceous, shaly in parts.

BOORGAT 71 : DAARBY 1369 : BOREHOLE 71

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 496	N.G.	42	59 0	N.S.
C	**Glanskool**, gelaag, met drie lagies koolstofhoudende skalie.	36	—	**Coal**, bright, banded, with three carbonaceous shale bands.
	N.G.	18	63 6	N.S.
	N.G.	12	—	N.S.
B	**Glanskool**, gelaag, plek-plek pikagtig, met skalie by bo-ent (geen kernverlies).	24	—	**Coal**, bright, banded, pitch-like in places, with shale at top (no core-loss).
A	**Glanskool**, gelaag (kern erg gebreek en baie word vermis).	12	70 6	**Coal**, bright, banded, (core badly broken and much missing).
	(3 vt. kernverlies tussen 63 vt. 6 dm. en 70 vt. 6 dm.)			(3 ft. core-loss between 63 ft. 6 in. and 70 ft. 6 in.)
P 497	N.G.	5	70 11	N.S.
E	**Glanskool**, dungelaag, en skalie, met enkele pikagtige lagies.	33	—	**Coal**, bright, thinly banded, and shale, with occasional pitch-like bands.
D	**Glanskool**, gelaag, piriethoudend.	12	—	**Coal**, bright, banded, pyritic.
	N.G.	3	—	N.S.
C	**Glanskool**, dungelaag, en skalie, met 2-dm. koolstofhoudende skalielagies.	18	—	**Coal**, bright, thinly banded, and shale, with two 2-in. carbonaceous shale bands.
B	**Glanskool**, gelaag, piriethoudend.	13	—	**Coal**, bright, banded, pyritic.
	Skalie hoofsaaklik ...	5	—	Shale mainly.
	Glanskool, gelaag, plek-plek pikagtig, erg piriethoudend ; plek-plek bros en bruinerig.	20	—	**Coal**, bright, banded, pitch-like in parts; very pyritic; brittle and brownish in places.
	N.G.	3	—	N.S.
A	**Glanskool**, gelaag, plek-plek skalieagtig, met 1 dm. skalie 12 dm. van onder af; piriethoudend.	29	83 8	**Coal**, bright, banded, shaly in places, with 1 in. shale 12 in. from bottom; pyritic.
	(1 vt. 5 dm. kernverlies tussen 70 vt. 11 dm. en 83 vt. 8 dm.)			(1 ft. 5 in. core-loss between 70 ft. 11 in. and 83 ft. 8 in.)
P 498	N.G.	38	86 10	N.S.
C	**Glanskool**, gelaag, met ½ dm. skalie 1 dm. van onder af.	10	—	**Coal**, bright, banded, with ½ in. shale 1 in. from bottom.
	N.G.	5	—	N.S.
	Glanskool, pikagtig ...	4	—	**Coal**, bright, pitch-like.
	N.G.	2	—	N.S.
	Glanskool, plek-plek pikagtig; piriet- en sideriethoudend.	22	—	**Coal**, bright, pitch-like in places; pyritic and sideritic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
	N.G.	36	—	N.S.
B	**Glanskool,** gelaag, plek-plek skalieagtig en piriethoudend (kern gebreek by onderent).	41	—	**Coal,** bright, shaly in places and pyritic (core broken at bottom).
	N.G.	14	—	N.S.
A	**Glanskool,** gelaag, plek-plek skalieagtig, met twee koolstofhoudende skalielagies; sideriet- en kalsiethoudend in middel.	31	102 9	**Coal,** bright, banded, shaly in places, with two carbonaceous shale bands; sideritic and calcitic in middle.
	(2 vt. 2 dm. kernverlies tussen 86 vt. 10 dm. 102 vt. 9 dm.)			(2 ft. 2 in. core-loss between 86 ft. 10 in. and 102 ft. 9 in.)
P 499	N.G.	202	119 7	N.S.
D	**Glanskool,** gelaag ...	13	—	**Coal,** banded, bright.
	N.G.	64	—	N.S.
C	**Glanskool,** dungelaag en skalie; siderietkorrels by onderent; plek-plek piriethoudend.	30	—	**Coal,** bright, thinly banded, and shale; pyritic in places; siderite pellets at bottom.
	N.G.	17	—	N.S.
B	**Glanskool,** dungelaag, en skalie, met enkele koolstofhoudende skalielagies.	48	—	**Coal,** bright, thinly banded, and shale, with occasional carbonaceous shale bands.
	N.G.	18	—	N.S.
A	**Glanskool,** gelaag, sideriet- en piriethoudend.	11	136 4	**Coal,** bright, banded, sideritic and pyritic.
P 500	N.G.	444	222 10	N.S.
G	**Glanskool,** pikagtig, kalsiet- en piriethoudend.	12	—	**Coal,** bright, pitch-like, calcitic and pyritic.
	N.G.	287	247 9	N.S.
	N.G.	54	—	N.S.
F	**Steenkool;** afwisselende lae van hoofsaaklik glanskool en swaar matkool; 3 dm. koolstofhoudende skalie met glyvlakke 12 dm. van bo af.	46	—	**Coal;** alternating bands of mainly bright coal and heavy, dull coal; 3 in. carbonaceous shale with slip planes 12 in. from top.
E	**Matkool** hoofsaaklik ...	15	—	**Coal;** mainly dull coal.
D	**Steenkool;** afwisselende lae van pikagtige glanskool en skalieagtige matkool.	11	—	**Coal;** alternating bands of pitch-like, bright coal and shaly, dull coal.
C	**Steenkool;** hoofsaaklik gelaagde glanskool; 'n $\frac{1}{2}$-dm. skalielagie 3 dm. van onder af; kalsiet- en piriethoudend.	13	—	**Coal;** mainly banded, bright coal; a $\frac{1}{2}$-in. shale band 3 in. from bottom; calcitic and pyritic.
	N.G.	5	—	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
B	**Glanskool,** gelaag, pikagtig, met twee koolstofhoudende skalielagies in middel; kalsiethoudend.	12	—	**Coal,** bright, banded, pitch-like, with two carbonaceous shale bands in middle; calcitic.
	N.G.	6	—	N.S.
A	**Matkool,** en dungelaagde glanskool.	7	261 10	**Coal,** dull, and thinly banded bright coal.
P 501	N.G.	122	292 8	N.S.
G	**Matkool,** plek-plek skalieagtig.	29	—	**Coal,** dull, shaly in places.
F	**Matkool,** met baie min glanskool.	74	—	**Coal,** dull, with very little bright coal.
E	**Matkool,** plek-plek swaar.	28	—	**Coal,** dull, heavy in parts.
D	**Matkool,** met 2 dm. skalie by onderent.	34	—	**Coal,** dull, with 2 in. shale at bottom.
C	**Matkool,** glansend ...	14	—	**Coal,** dull, lustrous.
	Matkool, plek-plek swaar.	38	—	**Coal,** dull, heavy in parts.
B	**Matkool,** met enkele glanskoolstrepies.	43	—	**Coal,** dull, with occasional bright coal stringers.
	N.G.	3	—	N.S.
A	**Steenkool,** gemeng, meer glanskool by onderent.	45	318 4	**Coal,** mixed, brighter at bottom.
P 502	N.G.	40	333 7	N.S.
D	**Steenkool;** hoofsaaklik matkool.	20	—	**Coal;** mainly dull coal.
	N.G.	5	—	N.S.
C	**Matkool,** met enkele glanskoolstrepies.	37	—	**Coal,** dull, with occasional bright coal stringers.
	Steenkool, gemeng ...	8	—	**Coal,** mixed.
B	**Matkool,** swaar	6	—	**Coal,** dull, heavy.
	Matkool, met enkele glanskoolstrepies.	40	—	**Coal,** dull, with occasional bright coal stringers.
A	Koolstofhoudende, skalieagtige materiaal.	3	—	Carbonaceous, shaly material.
	Matkool, hoofsaaklik.	32	346 2	**Coal;** mainly dull coal.
P 503	N.G.	146	388 9	N.S.
	Matkool hoofsaaklik, met enkele pirietknolle.	64	394 1	**Coal;** mainly dull, with occasional pyrite nodules.

BOORGAT 71 : DAARBY 1369 : BOREHOLE 71

		WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Opbrengs Yield %	As Ash %	Opbrengs Yield %	As Ash %	1·45	1·58
P 496 C_1	—	−1	1·45	48·2	12·2	2·3	15·2	34·4	48·1	2½	74·7	7·6	89·3	11·0	4	2½
C_2	—	−1	1·45	51·8	—	1·6	48·9	20·7	28·8	—	8·5	9·4	23·2	16·1	1½Ag	1Ag
C	36	—	—	—	—	1·9	32·7	27·3	38·1	—	40·4	7·8	55·1	12·1	3½	—
B_1	—	−1	1·45	65·8	12·1	2·4	15·4	33·0	49·2	2½	72·1	8·2	91·1	11·7	4½	3
B_2	—	−1	1·45	34·2	—	1·9	33·9	27·1	37·1	—	29·2	9·7	49·2	15·7	3½	2½
B	24	—	—	—	—	2·2	21·7	31·0	45·1	—	57·4	8·5	76·8	12·6	4½	3
A_1	—	−1	1·45	70·0	12·7	2·3	12·5	37·3	47·9	2½	88·5	9·5	97·5	11·3	4½	3½
A_2	—	−1	1·45	30·0	—	1·8	38·0	26·4	33·8	—	25·2	9·8	43·2	15·7	2½	1½Ag
A	12	—	—	—	—	2·2	20·2	34·0	43·6	—	69·4	9·5	81·2	12·0	4½	3
P 497 E	33	—	—	—	—	2·0	36·9	24·3	36·8	—	26·6	8·0	40·3	13·3	3	1½Ag
D_1	—	−1	1·45	56·4	12·1	2·3	15·3	33·7	48·7	3	73·6	8·7	92·5	12·4	4½	4
D_2	—	−1	1·45	43·6	—	1·5	39·4	24·8	34·3	—	21·3	10·5	32·2	17·0	3	1Ag
D	12	—	—	—	—	2·0	25·8	29·8	42·4	—	50·7	9·0	66·2	13·4	4	—
C	18	—	—	—	—	1·9	45·5	22·5	30·1	—	23·5	9·8	32·8	13·4	3½	1½Ag
B_1	—	−1	1·45	57·3	12·5	2·5	12·3	34·5	50·7	2½	81·5	7·0	92·0	9·1	4½	4
B_2	—	−1	1·45	42·7	—	1·7	45·2	22·2	30·9	—	14·1	8·0	21·7	12·7	4	2
B	38	—	—	—	—	2·2	26·3	29·2	42·2	—	52·7	7·1	62·0	9·6	4½	3½
A_1	—	−1	1·45	59·0	12·5	2·6	12·7	35·3	49·4	3	80·2	6·2	90·9	8·6	3½	3½
A_2	—	−1	1·45	41·0	—	1·8	37·2	25·6	35·4	—	21·7	8·2	35·1	14·2	2	1½Ag
A	29	—	—	—	—	2·3	22·7	31·3	43·7	—	56·2	6·5	68·0	9·8	3	3
P 498 C_1	—	−1	1·45	65·5	12·4	1·5	13·2	35·5	49·8	2½	78·6	7·1	91·8	9·5	4	3
C_2	—	−1	1·45	34·5	—	1·7	43·8	23·8	30·7	—	14·7	10·3	18·6	14·9	2½	1½Ag
C	38	—	—	—	—	1·6	23·8	31·5	36·8	—	56·6	7·4	66·5	10·0	3½	3
B_1	—	−1	1·45	44·9	12·2	2·3	14·5	34·0	49·2	2½	75·9	8·5	93·2	11·8	5	3
B_2	—	−1	1·45	55·1	—	1·8	35·3	25·9	37·0	—	22·0	11·7	51·3	20·4	3½	1Ag

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
B	41	—	—	—	—	2·0	26·0	29·5	42·5	—	46·2	9·3	70·1	15·3	4½	—
A₁	—	−1	1·45	29·9	12·1	2·4	15·4	32·9	49·3	2½	74·3	9·1	92·3	12·5	4	2½
A₂	—	−1	1·45	70·1	—	1·7	43·0	23·9	31·4	—	6·7	—	29·6	19·6	2½	1Ag
A	33	—	—	—	—	1·9	34·7	26·6	36·8	—	26·9	—	48·3	15·5	3½	—
P 499 D	13	—	—	—	11·3	2·3	20·8	31·7	45·2	—	58·4	10·3	82·4	14·7	5	3½
C	30	—	—	—	—	2·0	32·2	26·4	29·4	—	38·0	7·0	53·1	11·8	3½	2
B	48	—	—	—	—	2·2	33·3	26·5	28·0	—	33·6	8·6	51·3	14·3	3½	1½
A	11	—	—	—	11·0	2·3	22·3	31·5	43·9	—	57·7	9·8	76·1	12·9	4	3½
P 500 G	12	—	—	—	11·6	2·1	19·1	34·7	44·1	—	70·0	8·2	79·2	10·1	4	3½
F	46	—	—	—	—	1·8	31·6	23·0	43·6	—	22·1	8·6	46·0	14·0	1Ag	F
E	15	—	—	—	—	1·7	28·0	25·2	45·1	—	31·4	8·0	50·1	11·6	1Ag	1Ag
D₁	—	−1	1·45	56·1	13·8	2·2	6·2	37·6	54·0	4	94·8	3·6	96·8	4·1	4½	3½
D₂	—	−1	1·45	43·9	—	1·2	45·3	21·9	31·6	—	6·4	6·7	14·9	13·3	—	—
D	11	—	—	—	—	1·8	23·4	30·7	44·2	—	56·0	3·8	60·8	5·1	—	—
C₁	—	−1	1·45	82·1	13·4	2·2	8·1	36·1	53·6	3	91·0	5·1	96·2	6·3	3½	2½
C₂	—	−1	1·45	17·9	—	1·3	39·4	26·8	32·3	—	15·7	7·2	27·1	12·5	2	1Ag
C	13	—	—	—	—	2·0	13·7	34·4	49·8	—	77·5	5·3	83·8	5·7	3½	—
B₁	—	−1	1·45	70·5	13·3	2·2	9·0	36·1	52·7	3½	89·8	5·1	94·4	6·1	4	3
B₂	—	−1	1·45	29·5	—	1·4	43·6	24·6	30·4	—	10·9	7·5	15·9	12·2	—	—
B	12	—	—	—	—	2·0	19·2	32·7	46·1	—	66·5	5·2	71·2	6·5	—	—
A	7	—	—	—	—	1·8	31·7	21·9	44·6	—	7·0	9·8	45·8	19·2	—	F
P 501 G₁	—	−1	1·58	34·7	12·3	2·2	12·3	18·1	67·4	—	54·2	5·5	87·5	8·3	P	—
G₂	—	−1	1·58	65·3	—	1·4	46·5	17·6	34·5	—	1·3	—	7·8	13·3	—	—
G	29	—	—	—	—	1·7	34·6	18·4	45·3	—	19·7	—	35·5	9·0	—	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	Dryfsel Float 1·45	Dryfsel Float 1·58
F_1	—	−1	1·58	91·6	12·8	2·4	9·9	21·4	66·3	—	76·3	5·1	92·9	6·7	P	—
F_2	—	−1	1·58	8·4	—	1·5	41·2	20·6	36·7	—	5·6	3·7	15·1	10·8	—	P
F	74	—	—	—	—	2·3	12·5	21·3	63·8	—	70·3	5·1	86·4	6·8	—	—
E_1	—	−1	1·58	43·9	11·1	2·1	19·7	20·6	57·6	—	24·3	8·4	75·7	14·5	F	—
E_2	—	−1	1·58	56·1	—	1·6	38·8	18·0	41·6	—	3·8	—	13·9	15·3	—	—
E	28	—	—	—	—	1·8	30·4	19·1	48·6	—	12·8	—	41·0	14·7	—	—
D_1	—	−1	1·58	66·0	12·0	2·3	14·7	21·1	61·9	—	46·0	6·8	87·8	10·8	F	—
D_2	—	−1	1·58	34·0	—	1·5	42·4	18·3	37·8	—	3·5	—	16·7	14·0	—	F
D	34	—	—	—	—	2·0	24·1	20·1	53·8	—	31·5	—	63·6	11·1	—	—
C_1	—	−1	1·58	59·1	11·5	2·2	17·9	19·8	60·1	—	28·6	7·9	81·2	13·0	F	—
C_2	—	−1	1·58	40·9	—	1·7	35·8	18·2	44·3	—	4·2	—	27·1	14·6	—	F
C	52	—	—	—	—	2·0	25·2	19·1	53·6	—	18·6	—	59·1	13·3	—	—
B_1	—	−1	1·58	80·9	12·0	2·2	15·0	20·4	62·4	—	45·7	7·2	85·7	11·4	P	—
B_2	—	−1	1·58	19·1	—	1·1	39·4	19·7	39·8	—	2·4	—	11·3	15·5	—	—
B	43	—	—	—	—	2·0	19·7	20·3	58·1	—	37·4	—	71·5	11·5	—	—
A_1	—	−1	1·58	72·0	13·5	2·4	6·9	28·6	62·1	F	90·1	4·9	98·1	5·9	1Ag	1Ag
A_2	—	−1	1·58	28·0	—	1·7	30·5	21·7	46·1	—	5·6	—	18·3	14·0	—	P
A	45	—	—	—	—	2·2	13·5	26·7	57·6	—	66·4	—	75·8	—	—	—
P 502 D_1	—	−1	1·45	30·2	12·7	2·2	12·3	26·0	59·6	—	67·1	7·3	96·1	10·4	1Ag	F
D_2	—	−1	1·45 −1·58	45·2	11·6	1·9	18·3	20·7	59·1	—	18·8	8·5	83·6	15·4	—	P
D_1D_2	—	−1	1·58	75·4	12·0	2·0	15·9	22·8	59·3	—	—	—	—	—	—	—
D_3	—	−1	1·58	24·6	—	1·6	31·0	17·1	50·3	—	4·1	—	28·1	17·2	—	—
D	20	—	—	—	—	1·9	19·6	21·5	57·0	—	29·8	—	73·7	13·6	—	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H$_2$O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
C$_1$	—	−1	1·58	89·5	12·5	2·1	12·8	24·6	60·5	—	61·9	7·3	93·6	10·7	1Ag	F
C$_2$	—	−1	1·58	·10·5	—	1·2	45·4	18·7	34·7	—	4·5	7·3	14·7	15·4	—	—
C	45	—	—	—	—	2·1	16·2	24·0	57·7	—	55·9	7·3	85·3	10·8	—	—
B$_1$	—	−1	1·58	68·7	12·2	2·2	14·2	22·1	61·5	—	51·0	7·5	91·2	11·5	F	—
B$_2$	—	−1	1·58	31·3	—	1·5	37·5	18·2	42·8	—	3·5	—	20·6	16·3	—	—
B	46	—	—	—	—	2·0	21·5	20·8	55·7	—	36·1	—	69·1	11·9	—	—
A$_1$	—	−1	1·58	85·9	12·5	2·1	12·7	22·9	62·3	—	63·6	7·6	94·4	10·8	F	—
A$_2$	—	−1	1·58	14·1	—	1·9	39·6	23·0	35·5	—	1·5	—	4·8	13·6	—	—
A	35	—	—	—	—	2·0	16·5	23·0	58·5	—	54·8	—	81·8	10·8	—	—
P 503 A$_1$	—	−1	1·58	82·9	12·0	2·1	15·9	20·6	61·4	—	38·1	7·6	89·0	12·9	P	—
A$_2$	—	−1	1·58	17·1	—	1·5	41·3	22·6	34·6	—	2·5	—	5·1	14·9	—	—
A	64	—	—	—	—	2·0	20·2	20·9	56·9	—	32·0	—	74·7	12·9	—	—

BOORGAT 72 : GROOTEGELUK 1360 : BOREHOLE 72

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Moddersteen	34 2	34 2	Mudstone.
Skalie en steenkool (kern erg gebreek).	1 0	35 2	Shale and coal (core badly broken).
Glanskool en skalieagtige steenkool (kern erg gebreek).	10	—	**Coal** and shaly coal (core badly broken).
Skalie, vaal	5 0	—	Shale, grey.
Glanskool, gelaag, skalieagtig, piriet- en kalsiethoudend.	8	—	**Coal**, bright, banded, shaly, pyritic and calcitic.
Glanskool, dungelaag, en koolstofhoudende skalie.	1 11	43 7	**Coal**, bright, thinly banded, and carbonaceous shale.
Skalie, vaal	3 0	—	Shale, grey.
Glanskool, dungelaag, en skalie.	1 1	—	**Coal**, bright, thinly banded, and shale.
Skalie, swart	6	—	Shale, black.
Glanskool, dungelaag, en skalie.	6	—	**Coal**, bright, thinly banded, and shale.
Skalie, swart	8	—	Shale, black.
Glanskool, dungelaag, en skalie.	10	—	**Coal**, bright, thinly banded, and shale.
Skalie, vaal	5	—	Shale, grey.
Glanskool, dungelaag, skalieagtig en piriethoudend.	5	51 0	**Coal**, bright, thinly banded, shaly and pyritic.
Skalie, koolstofhoudend, met steenkoollagies.	3 5	54 5	Shale, carbonaceous, with coal bands.
Glanskoollae, gelaag, en swart skalielae om die beurt.	3 2	—	**Coal** bands; bright, banded, and black shale bands, alternating.
Hoofsaaklik swart skalie	5	—	Mainly black shale.
Skalie, swart en koolstofhoudend, met steenkoollagies.	17 11	—	Shale, black and carbonaceous, with coal bands.
Glanskool, gelaag, met 1½ dm. skalie, 12 dm. van bo af.	3 3	—	**Coal**, bright, banded, with 1½ in. shale 12 in. from top.
Skalie, koolstofhoudend	7	—	Shale, carbonaceous.
Glanskool, dungelaag, en skalie.	4 2	—	**Coal**, bright, thinly banded, and shale.
Glanskool, gelaag, plek-plek pikagtig.	3 0	—	**Coal**, bright, banded, pitch-like in parts.
Glanskool, dungelaag, en skalie.	2 3	—	**Coal**, bright, thinly banded, and shale.
Skalie, swart	3	—	Shale, black.
Glanskool, gelaag, plek-plek met 1 dm. koolstofhoudende skalie 12 dm. van bo af en 1½ dm. skalie 27 dm. van bo af; erg piriet- en kalsiethoudend by onderent.	3 8	93 1	**Coal**, bright, banded, pitch-like in parts, with 1 in. carbonaceous shale 15 in. from top and 1½ in. shale 27 in. from top; very pyritic and calcitic at bottom.
Skalie met steenkoollagies	7 1	100 2	Shale, with coal bands.
Glanskool, gelaag, plek-plek skalieagtig met 4 dm. skalie 7 dm. van bo af.	3 2	—	**Coal**, bright, banded, shaly in places, with 4 in. shale 7 in. from top.
Skalie met steenkoollagies	3 2	—	Shale, with coal bands.
Glanskool, skalieagtig na onder; plek-plek piriethoudend.	2 10	—	**Coal**, bright, shaly towards bottom; pyritic in places.
Glanskool, dungelaag, en skalie, met breër skalielae.	1 1	—	**Coal**, bright, thinly banded, and shale, with wider shale bands.
Glanskool, gelaag, plek-plek pikagtig, skalieagtig by boent en bevat sierietkorrels by onderent.	2 1	—	**Coal**, bright, banded, pitch-like in parts, shaly at top and contains siderite pellets at bottom.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Glanskool, gelaag, met baie sidrietkorrels en piriethoudend by onderent.		9	113	3	**Coal,** bright, banded, with many siderite pellets and pyritic at bottom.
Skalie, met steenkoollagies ...	12	9	126	0	Shale, with coal bands.
Glanskool, dungelaag, en skalie; 1½ dm. steenkoolagtige skalie en moddersteen 6 dm. van bo af.	2	6	—		**Coal,** bright, banded, and shale; 1½ in. coaly shale and mudstone 6 in. from top.
Skalie, met steenkoollagies ...	2	3	—		Shale with coal bands.
Glanskool, gelaag, skalieagtig.	1	0	—		**Coal,** bright, banded, shaly.
Skalie		3	—		Shale.
Glanskool, gelaag, skalieagtig, met ¼ dm. moddersteen 2 dm. van onder af.	1	5	—		**Coal,** bright, banded, shaly, with ¼ in. mudstone 2 in. from bottom.
Skalie, koolstofhoudend		11	—		Shale, carbonaceous.
Glanskool, gelaag, skalieagtig ...		8	—		**Coal,** bright, banded, shaly.
Skalie		4	—		Shale.
Glanskool, gelaag, skalieagtig by onderent.	1	1	—		**Coal,** bright, banded, shaly at bottom.
Skalie en gelaagde glanskool ...	3	1	139	6	Shale and banded bright coal.
Skalie, koolstofhoudend, en steenkool.	2	10	142	4	Shale, carbonaceous, and coal.
Glanskoollae, breed, skalieagtig, en dun koolstofhoudende skalielae, om die beurt.	5	6	—		**Coal;** broad, bright, shaly bands and thin carbonaceous shale bands, alternating.
Skalie, koolstofhoudend	1	4	—		Shale, carbonaceous.
Glanskool, gelaag, skalieagtig en piriethoudend.		11	—		**Coal,** bright, banded, shaly and pyritic.
Skalie, met glyvlakke		3	—		Shale, with slip planes.
Glanskool, gelaag, plek-plek skalieagtig.		6	—		**Coal,** bright, banded, shaly in places.
Skalie, koolstofhoudend		3	—		Shale, carbonaceous.
Glanskool, gelaag, pikagtig en piriethoudend in middel.	1	2	—		**Coal,** bright, banded, pitchlike, shaly and pyritic in middle.
Skalie, koolstofhoudend		3	—		Shale, carbonaceous.
Glanskool, pikagtig		1	—		**Coal,** bright, banded.
Skalie, koolstofhoudend		2	—		Shale, carbonaceous.
Glanskool, gelaag, pikagtig, piriet- en kalsiethoudend.		6	153	3	**Coal,** bright, banded, pitchlike, pyritic and calcitic.
Skalie, met steenkoollagies ...	14	1	167	4	Shale, with coal bands.
Glanskool, gelaag, piriethoudend.	1	1	168	5	**Coal,** bright, banded, pyritic.
Skalie, met steenkoollagies ...	4	5	172	10	Shale, with coal bands.
Glanskool, gelaag, plek-plek skalieagtig.		11	—		**Coal,** bright, banded, shaly in places.
Glanskool, erg piriethoudend ...		3	—		**Coal,** bright, very pyritic.
Glanskool, gelaag, skalieagtig en piriethoudend.		9	—		**Coal,** bright, banded, shaly and pyritic.
Skalie, met steenkoollagies ...	2	10	—		Shale, with coal bands.
Glanskool, gelaag, plek-plek skalieagtig.	1	6	—		**Coal,** bright, banded, shaly in places.
Skalie, met steenkoollagies ...	1	7	—		Shale, with coal bands.
Glanskool, dungelaag, met 'n 'n semi-skulpvormige breuk.	2	0	—		**Coal,** bright, thinly banded, with a semi-conchoidal fracture.
Glanskool, erg sideriethoudend, piriethoudend.		9	183	5	**Coal,** bright, very sideritic, pyritic.
Skalie, met steenkoollagies ...	17	1	200	6	Shale, with coal bands.
Glanskool, gelaag, skalieagtig, met sideriektorrels en 1 dm. moddersteen in middel.	1	11	—		**Coal,** bright, banded, shaly, with siderite pellets and 1 in. mudstone in middle.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Skalie, koolstofhoudend	3	0	—		Shale, carbonaceous.
Glanskool, gelaag, skalieagtig en piriethoudend, met 2 dm. skalie 7 dm. van bo af.	1	9	207	2	**Coal,** bright, banded, shaly and pyritic, with 2 in. shale 7 in. from top.
Skalie, met steenkoollagies ...	29	0	—		Shale, with coal bands.
Glanskool, gelaag, kalsiethoudend.	1	1	237	3	**Coal,** bright, banded, calcitic.
Skalie en steenkool		5	—		Shale and coal.
Skalie, met steenkoollagies ...	9	9	—		Shale, with coal bands.
Skalie, steenkoolagtig, en skalie; hoofsaaklik steenkoolagtige skalie.	17	4	264	9	Shale, coaly, and shale; mainly coaly shale.
Matkool hoofsaaklik; kalsiethoudend.	2	3	—		**Coal;** mainly dull; calcitic.
Steenkool; afwisselende lae van hoofsaaklik matkool en hoofsaaklik glanskool; plek-plek skalieagtig.	1	10	—		**Coal;** alternating bands of mainly dull and mainly bright coal; shaly in places.
Skalie; steenkoolagtig	1	8	—		Shale; coaly.
Steenkool; afwisselende lae van hoofsaaklik glanskool en hoofsaaklik matkool.	1	7	—		**Coal;** alternating bands of mainly bright and mainly dull coal.
Glanskool, gelaag, kalsiethoudend.	1	0	—		**Coal,** bright, banded, calcitic.
Skalie en steenkool, met 1 dm. moddersteen in middel.		5	—		Shale and coal. with 1 in. mudstone in middle.
Steenkool; afwisselende lae van hoofsaaklik glanskool en hoofsaaklik swaar matkool.	1	4	—		**Coal;** alternating bands of mainly bright and mainly heavy, dull coal.
Steenkool; hoofsaaklik swaar matkool.		10	275	8	**Coal;** mainly heavy, dull coal.
Skalie, met steenkoollagies ...	13	4	—		Shale, with coal bands.
Skalie, swart en grys, met dun moddersteenlagies; fossieldraend.	2	9	—		Shale, black and grey, with thin mudstone bands; fossiliferous.
Skalie en matkool	1	11	—		Shale and dull coal.
Skalie, steenkoolagtig, en skalieagtige steenkool; 10 dm. bruin skalie 15 dm. van bo af.	7	4	—		Shale, coaly, and shaly coal; 10 in. brown shale 15 in. from top.
Skalie, swart	1	2	—		Shale black.
Skalie, ligbruin	9	4	311	6	Shale, light-brown.
Steenkool; hoofsaaklik swaar matkool; plek-plek piriethoudend.	3	0	—		**Coal;** mainly heavy, dull coal; pyritic in places.
Steenkool; hoofsaaklik swaar matkool, met 'n paar skalielagies; plek-plek piriethoudend (kern gebreek).	3	0	—		**Coal;** mainly heavy, dull coal, with a few shale bands; pyritic in places (core broken).
Skalie, koolstofhoudend		3	—		Shale, carbonaceous.
Steenkool; hoofsaaklik matkool; skalieagtig en piriethoudend by onderent.	2	8	—		**Coal;** mainly dull coal; shaly and pyritic at bottom.
Steenkool; hoofsaaklik matkool, met 'n glans; 7 dm. swaar matkool in middel.	5	4	—		**Coal;** mainly dull coal, with a lustre; 7 in. heavy, dull coal in middle.
Steenkool, gemeng, erg skalieagtig en piriethoudend.		4	—		**Coal,** mixed, very shaly and pyritic.
Steenkool; hoofsaaklik matkool, met 'n glans; 7 dm. swaar matkool in middel.	1	0	—		**Coal;** mainly dull coal, with a lustre; 7 in. dull, heavy coal in middle.
Skalie; erg piriethoudend ...		6	—		Shale, very pyritic.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Steenkool, gemeng; hoofsaaklik glanskool by onderent; bevat enkele groot pirietknolle (kern gebreek); (1 vt. 10 dm. kernverlies tussen 311 vt. 6 dm. en 333 vt. 7 dm.).	4	2	333	7	**Coal,** mixed; mainly bright coal at bottom; contains occasional big pyrite nodules (core broken); (1 ft. 10 in. core-loss between 311 ft. 6 in. and 333 ft. 7 in.).
Sandsteen, middelkorrelrig, vuilwit tot grys, effens veldspaties.	5	11	—		Sandstone, medium-grained, dirty white to grey, slightly felspathic.
Sandsteen, fynkorrelrig, swart en grys, mikadraend, gelaag.	9	1	—		Sandstone, fine-grained, black and grey, micaceous, laminated.
Sandsteen, middelkorrelrig, grys, veldspaties, onderste 1 vt. op golfvormige wyse gelaag.	2	7	351	2	Sandstone, medium-grained, grey, felspathic, bottom 1 ft. banded in wavy layer fashion.
Steenkool, gemeng	1	2	—		**Coal,** mixed.
Skalie en swaar matkool... ...		7	—		Shale and heavy, dull coal.
Matkool, met 'n paar glanskoolstrepies; 3 dm. skalie in middel.	4	0	—		**Coal,** dull, with a few bright coal stringers; 3 in. shale in middle.
Hoofsaaklik piriet		2	—		Mainly pyrites.
Matkool, met 'n paar glanskoolstrepies; 3 dm. skalie in middel.	1	2	—		**Coal,** dull, with a few bright coal stringers; 3 in. shale in middle.
Matkool, met enkele glanskoollagies; 2 dm. vuil steenkool 3 dm. van bo af en 1½ dm. moddersteen 13 dm. van bo af.	3	4	—		**Coal,** dull, with a few bright coal bands; 2 in. dirty coal 3 in. from top and 1½ in. mudstone 13 in. from top.
Steenkool, vuil		3	—		**Coal,** dirty.
Steenkool; hoofsaaklik matkool	1	4	—		**Coal;** mainly dull coal.
Steenkool, vuil, kalsiethoudend		3	—		**Coal,** dirty, calcitic.
Steenkool, gemeng	1	8	365	1	**Coal,** mixed.
Sandsteen, fynkorrelrig, vaal tot swart, gelaag, mikadraend, effens kruisgelaag.	12	3	—		Sandstone, fine-grained, grey to black, laminated, micaceous, slightly crossbedded.
Sandsteen; afwisselende fyn- tot grofkorrelrige lae; grys tot swart; grofkorrelrige dele is veldspaties; plek-plek skalieagtig.	25	4	402	8	Sandstone; alternating fine- to coarse-grained bands; grey to black; coarse-grained parts are felspathic; shaly in places.
Matkoollae, glansend, en hoofsaaklik matkool; 1 dm. skalie 8 dm. van onder af en 1 dm. piriet in middel.	4	3	406	11	**Coal;** bands of lustrous dull coal and mainly dull coal; 1 in. pyrite in middle and 1 in. shale 8 in. from bottom.
Sandsteen, grys tot swart, grofkorrelrig, veldspaties; boonste deel gelaag; 1 dm. matkool 13 dm. van bo af.	3	5	410	4	Sandstone, grey to black, coarse-grained, felspathic; top portion laminated; 1 in. dull coal 13 in. from top.

BOORGAT 72 : GROOTEGELUK 1360 : BOREHOLE 72

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 485	N.G.	12	35 2	N.S.
D	Glanskool en skalieagtige steenkool (kern erg gebreek).	10	—	Coal, bright, and shaly coal (core badly broken).
	N.G.	60	—	N.S.
C	Glanskool, gelaag, skalieagtig, piriet- en kalsiethoudend.	8	—	Coal, bright, banded, shaly, pyritic and calcitic.
B	Glanskool, dungelaag, en koolstofhoudende skalie.	23	—	Coal, bright, thinly banded, and carbonaceous shale.
	N.G.	36	—	N.S.
A	Glanskool, dungelaag, en skalie.	13	—	Coal, bright, thinly banded, and shale.
	N.G.	6	—	N.S.
	Glanskool, dungelaag, en skalie.	6	—	Coal, bright, thinly banded, and shale.
	N.G.	8	—	N.S.
	Glanskool, dungelaag, en skalie.	10	—	Coal, bright, thinly banded, and shale.
	N.G.	5	—	N.S.
	Glanskool, dungelaag, skalieagtig en piriethoudend.	5	51 0	Coal, bright, thinly banded, shaly and pyritic.
P 486	N.G.	41	54 5	N.S.
F	Glanskoollae, gelaag, en swart skalielae, om die beurt.	38	—	Coal; bands of banded, bright coal and black shale, alternating.
	N.G.	5	—	N.S.
	N.G.	215	—	N.S.
E	Glanskool, gelaag, met 1½ dm. skalie 12 dm. van bo af.	39	—	Coal, bright, banded, with 1½ in. shale 12 in. from top.
	N.G.	7	—	N.S.
D	Glanskool, dungelaag, en skalie.	50	—	Coal, bright, thinly banded, and shale.
C	Glanskool, gelaag, plek-plek pikagtig.	36	—	Coal, bright, banded, pitch-like in parts.
B	Glanskool, dungelaag, en skalie.	27	—	Coal, bright, thinly banded, and shale.
	Skalie, swart	3	—	Shale, black.
A	Glanskool, gelaag, plek-plek pikagtig; 1 dm. koolstofhoudende skalie 15 dm. van bo af en 1½ dm. koolstofhoudende skalie 27 dm. van bo af; erg piriethoudend, kalsiethoudend by onderent.	44	93 1	Coal, bright, banded pitch-like in parts; 1 in. carbonaceous shale 15 in. from top and 1½ in. carbonaceous shale 27 in. from top; very pyritic, calcitic at bottom.
P 487	N.G.	85	100 2	N.S.
E	Glanskool, gelaag, plek-plek skalieagtig, met 4 dm. skalie 7 dm. van bo af.	38	—	Coal, bright, banded, shaly in places, with 4 in. shale 7 in. from top.
	N.G.	38	—	N.S.
D	Glanskool, gelaag, skalieagtig na onder; plek-plek piriethoudend.	34	—	Coal, bright, banded, shaly towards bottom; pyritic in places.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. In.	*Vt. Dm. Ft. In.*	
C	**Glanskool,** dungelaag, en skalie, met breër skalielae.	13	—	**Coal,** bright, thinly banded, and shale, with wider shale bands.
B	**Glanskool,** gelaag, plekplek pikagtig, skalieagtig by bo-ent en met siderietkorrels by onderent.	25	—	**Coal,** bright, banded, pitch-like in parts, shaly at top and with siderite pellets at bottom.
A	**Glanskool,** gelaag, met baie siderietkorrels en piriethoudend by onderent.	9	113 3	**Coal,** bright, banded, with many siderite pellets and pyritic at bottom.
P 489	N.G.	34	142 4	N.S.
C	**Glanskoollae,** breed en skalieagtig, en dun koolstofhoudende skalielae, om die beurt.	66	—	**Coal,** bright, broad, shaly bands and thin carbonaceous shale bands, alternating.
	N.G.	16	—	N.S.
B	**Glanskool,** gelaag, skalieagtig en piriethoudend.	11	—	**Coal,** bright, banded, shaly and pyritic.
	Skalie, swart, met glyvlakke.	3	—	Shale, black, with slip planes.
	Glanskool, gelaag, plekplek skalieagtig.	6	—	**Coal,** bright, banded, shaly in places.
	Skalie, koolstofhoudend	3	—	Shale, carbonaceous.
	Glanskool, gelaag, pikagtig, skalieagtig en piriethoudend in middel.	14	—	**Coal,** bright, banded, pitch-like, shaly, pyritic in middle.
	Skalie, koolstofhoudend.	3	—	Shale, carbonaceous.
	Glanskool, pikagtig ...	1	—	**Coal,** bright, pitch-like.
	Skalie, koolstofhoudend.	2	—	Shale, carbonaceous.
	Glanskool, gelaag, pikagtig, piriet- en kalsiethoudend.	6	—	**Coal,** bright, pitch-like, pyritic and calcitic.
	N.G.	169	167 4	N.S.
A	**Glanskool,** gelaag, pikagtig, piriet- en kalsiethoudend.	13	168 5	**Coal,** bright, banded, pitch-like, pyritic and calcitic.
P 490	N.G.	53	172 10	N.S.
D	**Glanskool,** gelaag, plekplek skalieagtig.	11	—	**Coal,** bright, banded, shaly in places.
	N.G.	3	—	N.S.
	Glanskool, gelaag, skalieagtig en piriethoudend.	9	—	**Coal,** bright, banded, shaly and pyritic.
	N.G.	34	—	N.S.
C	**Glanskool,** gelaag, plekplek skalieagtig.	18	—	**Coal,** bright, banded, shaly in places.
	N.G.	19	—	N.S.
B	**Glanskool,** dungelaag, met 'n semi-skulpvormige breuk.	24	—	**Coal,** bright, thinly banded, with a semi-conchoidal fracture.
A	**Glanskool,** erg sideriethoudend; piriethoudend.	9	183 5	**Coal,** bright, very sideritic; pyritic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 491	N.G.	205	200 6	N.S.
C	**Glanskool,** gelaag, skalieagtig, met sideriet-korrels; 1 dm. moddersteen in middel.	23	—	**Coal,** bright, banded, shaly, with siderite pellets; 1 in. mudstone in middle.
	N.G.	36	—	N.S.
B	**Glanskool,** gelaag, skalieagtig en piriethoudend; 2 dm. skalie 7 dm. van bo af.	21	207 2	**Coal,** bright, banded, shaly and pyritic; 2 in. shale 7 in. from top.
	N.G.	348	—	N.S.
A	**Glanskool,** gelaag, kalsiethoudend.	13	237 3	**Coal,** bright, banded, calcitic.
P 492	N.G.	208	264 9	N.S.
F	**Matkool** hoofsaaklik; kalsiethoudend.	27	267 0	**Coal;** mainly dull coal; calcitic.
E	**Steenkool;** afwisselende lae van hoofsaaklik matkool en hoofsaaklik glanskool; plek-plek skalieagtig.	22	—	**Coal;** alternating bands of mainly dull coal and mainly bright coal; shaly in places.
	N.G.	20	—	N.S.
D	**Steenkool;** afwisselende lae van hoofsaaklik glanskool en hoofsaaklik matkool.	19	—	**Coal;** alternating bands of mainly bright coal and mainly dull coal.
C	**Glanskool,** gelaag, kalsiethoudend.	12	—	**Coal,** bright, banded, calcitic.
	N.G.	5	—	N.S.
B	**Steenkool;** afwisselende lae van hoofsaaklik glanskool en hoofsaaklik swaar matkool.	16	—	**Coal;** alternating bands of mainly bright coal and mainly heavy, dull coal.
A	**Steenkool;** hoofsaaklik swaar matkool.	10	275 8	**Coal;** mainly heavy, dull coal.
P 493	N.G.	112	311 6	N.S.
E	**Steenkool;** hoofsaaklik swaar matkool; plek-plek piriethoudend.	36	—	**Coal;** mainly heavy, dull coal; pyritic in places.
D	**Steenkool;** hoofsaaklik swaar matkool, met 'n paar skalielagies; plek-plek piriethoudend (kern gebreek).	36	—	**Coal;** mainly heavy, dull coal, with a few shale bands; pyritic in places (core broken).
	N.G.	3	—	N.S.
C	**Steenkool;** hoofsaaklik matkool; skalieagtig en piriethoudend by onderent.	32	—	**Coal;** mainly dull coal; shaly and pyritic at bottom.
	Steenkool; hoofsaaklik matkool, met 'n glans; 7 dm. swaar matkool in middel.	64	—	**Coal;** mainly dull coal, with a lustre; 7 in. heavy, dull coal in middle.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
B	**Steenkool,** gemeng, erg skalieagtig en piriethoudend.	4	—	**Coal;** mixed, very shaly, and pyritic.
	Steenkool; hoofsaaklik matkool, met 'n glans; 7 dm. swaar matkool in middel.	12	—	**Coal;** mainly dull coal, with a lustre; 7 in. heavy dull coal in middle.
	N.G.	6	—	N.S.
A	**Steenkool,** gemeng; hoofsaaklik glanskool by onderent; bevat enkele groot pirietknolle; (kern gebreek) (1 vt. 10 dm. kernverlies tussen 311 vt. 6 dm. en 333 vt. 7 dm.).	50	333 7	**Coal,** mixed; mainly bright coal at bottom; contains occasional big pyrite nodules (core broken) (1 ft. 10 in. core-loss between 311 ft. 6 in. and 333 ft. 7 in.).
P 494	N.G.	31	351 2	N.S.
D	**Steenkool,** gemeng ...	14	—	**Coal,** mixed.
	N.G.	7	—	N.S.
C	**Matkool,** met 'n paar glanskoolstrepies; 3 dm. skalie in middel.	48	—	**Coal,** dull, with a few bright coal stringers; 3 in. shale in middle.
	N.G.	2	—	N.S.
	Matkool, met enkele glanskoolstrepies; 3 dm. skalie in middel.	14	—	**Coal,** dull, with occasional bright coal stringers; 3 in. shale in middle.
B	**Matkool,** met enkele glanskoollagies; 2 dm. vuil steenkool 3 dm. van bo af en 1½ dm. moddersteen 13 dm. van bo af.	40	—	**Coal,** dull, with occasional bright coal bands; 2 in. dirty coal 3 in. from top and 1½ in. mudstone 13 in. from top.
	N.G.	3	—	N.S.
A	**Steenkool;** hoofsaaklik matkool.	16	—	**Coal;** mainly dull coal.
	Steenkool, vuil, kalsiethoudend.	3	—	**Coal,** dirty, calcitic.
	Steenkool, gemeng ...	20	365 1	**Coal,** mixed.
P 495	N.G.	304	402 8	N.S.
	Matkoollae, glansend, en lae van hoofsaaklik glanskool; 1 dm. piriet in middel en 1 dm. skalie 8 dm. van onder af.	51	406 11	**Coal;** dull, lustrous bands and bands of mainly bright coal; 1 in. pyrites in middle and 1 in. shale 8 in. from bottom.

BOORGAT 72 : GROOTEGELUK 1360 : BOREHOLE 72

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
											Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	Dryfsel Float	
															1·45	1·58
P 485 D	10	—	—	—	—	2·2	32·3	28·8	36·7	—	38·8	12·5	62·5	19·4	4½	4
C_1	—	−1	1·45	28·5	—	—	—	—	—	—	—	—	—	—	—	—
C_2	—	−1	1·45	71·4	—	—	—	—	—	—	—	—	—	—	—	—
B_1	—	−1	1·45	47·6	—	—	—	—	—	—	—	—	—	—	—	—
B_2	—	−1	1·45	52·4	—	—	—	—	—	—	—	—	—	—	—	—
C_1B_1	—	−1	1·45	42·7	11·7	2·7	17·1	33·7	46·5	—	66·6	6·2	85·5	12·0	5	3½
C_2B_2	—	−1	1·45	57·3	—	2·0	34·4	28·5	35·1	—	30·1	10·8	52·0	18·1	4	2½
BC	31	—	—	—	—	2·0	27·0	30·7	40·0	—	45·7	7·9	66·3	14·7	4½	3
A_1	—	−1	1·45	70·0	11·3	2·5	20·5	34·4	42·6	—	59·2	9·7	83·4	15·6	5	4
A_2	—	−1	1·45	30·0	—	2·1	29·4	30·9	37·6	—	27·8	11·2	64·6	18·6	4½	4
A	34	—	—	—	—	2·4	23·2	33·4	41·0	—	49·8	10·0	77·8	16·3	5	4
P 486 F_1	—	−1	1·45	36·2	12·2	2·8	14·3	33·5	49·4	—	75·4	8·0	93·8	12·1	4½	3
F_2	—	−1	1·45	63·8	—	1·6	57·8	18·0	22·6	—	6·9	10·0	14·6	17·5	—	—
F	38	—	—	—	—	2·0	42·1	23·6	32·3	—	31·7	9·3	43·3	13·3	—	—
E_1	—	−1	1·45	72·1	12·1	2·4	15·5	35·2	46·9	4½	76·1	9·5	93·7	13·1	5	5
E_2	—	−1	1·45	27·9	—	1·7	41·8	26·3	30·2	—	24·8	11·6	36·5	18·8	5	3
E	39	—	—	—	—	2·2	22·8	32·7	42·3	2	61·8	10·1	77·7	13·8	5	4
D	50	—	—	—	—	1·9	37·0	26·2	34·9	—	32·8	8·6	47·0	15·0	4	3½
C_1	—	−1	1·45	70·5	12·3	2·6	14·0	34·4	49·0	4	76·6	7·5	93·8	11·5	5½	5
C_2	—	−1	1·45	29·5	—	1·8	33·4	28·3	36·5	—	30·0	10·9	51·8	17·5	4½	2
C	36	—	—	—	—	2·4	19·7	32·6	45·3	—	62·9	8·5	81·4	12·6	5	4
B	30	—	—	—	—	1·9	39·7	24·9	33·5	—	30·2	8·2	42·6	15·0	4	3
A_1	—	−1	1·45	65·1	12·5	2·7	13·0	35·4	48·9	4	80·2	7·2	92·7	10·0	4½	4
A_2	—	−1	1·45	34·9	—	1·6	45·8	23·6	29·0	—	20·5	9·7	34·0	16·1	4	2½
A	44	—	—	—	—	2·3	24·4	31·3	42·0	—	59·4	7·5	72·2	11·0	4½	3½

		WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
											Opbrengs Yield %	As Ash %	Opbrengs Yield %	As Ash %	Dryfsel Float 1·45	1·58
P 487 E_1	—	−1	1·45	69·5	11·6	2·4	15·3	33·5	48·8	4	75·1	8·4	94·1	13·0	6	4½
E_2	—	−1	1·45	30·5	—	1·8	35·2	26·4	36·6	—	29·9	10·5	48·7	17·4	3½	2½
E	38	—	—	—	—	2·2	21·4	31·3	45·1	—	61·3	8·7	80·3	13·8	5½	4
D_1	—	−1	1·45	44·5	11·7	2·5	17·7	32·7	47·1	3	70·6	9·9	92·3	14·5	5	3
D_2	—	−1	1·45	55·5	—	1·5	50·8	19·9	27·8	—	17·9	11·3	30·8	19·1	3½	1½
D	34	—	—	—	—	1·9	36·3	25·6	36·2	—	41·4	10·2	58·2	15·9	4½	2
C	13	—	—	—	—	1·6	48·7	21·0	28·7	—	16·0	9·3	29·4	16·7	3½	2
B_1	—	−1	1·45	66·5	12·0	2·5	15·5	34·9	47·1	4½	74·5	8·4	94·1	12·7	5½	4½
B_2	—	−1	1·45	33·5	—	1·9	29·6	30·8	37·7	—	40·9	11·3	63·5	17·6	3½	3½
B	25	—	—	—	—	2·3	20·5	33·5	43·7	—	63·2	9·0	83·8	13·9	5	4
A	9	—	—	—	—	2·2	36·8	28·8	32·2	—	9·0	9·7	25·1	13·9	—	3
P 488 D	30	—	—	—	—	1·9	33·9	27·9	36·3	—	36·3	8·5	50·4	15·5	4½	2½
C_1	—	−1	1·45	39·9	12·2	2·2	14·3	34·1	49·4	—	76·7	8·1	92·2	11·3	5	5
C_2	—	−1	1·45	60·1	—	1·5	48·5	21·2	28·8	—	13·9	10·3	27·2	17·6	4	2½
C	32	—	—	—	—	1·8	34·9	26·3	37·0	—	39·0	8·6	53·1	13·2	5	4
B_1	—	−1	1·45	37·7	11·9	2·2	17·1	34·7	46·0	—	70·1	9·4	89·3	13·4	5	4
B_2	—	−1	1·45	62·3	—	1·6	45·1	23·2	30·1	—	20·7	9·8	34·9	17·0	3½	2½
B	25	—	—	—	—	1·8	34·5	27·5	36·2	—	39·3	9·5	55·4	14·8	4½	3½
A_1	—	−1	1·45	23·4	12·4	2·5	13·1	33·6	50·8	—	76·9	6·0	90·1	8·8	5	4½
A_2	—	−1	1·45	76·6	—	1·8	38·1	24·4	35·7	—	26·0	8·3	41·7	15·3	3½	2
A	37	—	—	—	—	2·0	32·3	26·6	39·1	—	37·9	7·2	53·0	12·7	4	3
P 489 C	66	—	—	—	—	1·9	32·8	27·0	38·3	—	35·8	7·7	52·2	13·7	4½	3
B	65	—	—	—	—	1·7	39·3	26·1	32·8	—	32·5	8·1	42·6	13·3	4	3
A	13	—	—	—	11·4	2·5	20·2	29·4	47·8	—	60·5	7·8	76·3	11·7	4½	3

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Opbrengs Yield %	As Ash %	Opbrengs Yield %	As Ash %	1·45	1·58
P 490 D	20	—	—	—	—	1·6	29·0	29·4	40·0	—	39·4	8·7	58·9	14·8	4½	3½
C	18	—	—	—	—	2·2	29·5	27·5	40·8	—	40·5	8·2	59·8	15·4	4½	3½
B$_1$	—	−1	1·45	76·5	11·7	1·9	18·7	34·8	44·6	4	66·3	10·6	88·6	14·9	5	4
B$_2$	—	−1	1·45	23·5	—	1·5	33·8	30·0	34·7	—	30·5	12·1	54·0	18·8	4½	2½
B	24	—	—	—	—	1·8	22·2	33·7	42·3	—	57·9	10·8	80·5	15·5	5	4
A	9	—	—	—	—	1·8	35·5	30·5	32·2	—	19·3	6·1	24·7	8·7	5	4½
P 491 C$_1$	—	−1	1·45	45·0	12·7	2·4	11·5	34·9	51·2	4	81·4	5·8	92·4	7·8	5	4
C$_2$	—	−1	1·45	55·0	—	1·5	40·1	27·7	30·7	—	26·9	7·7	38·7	12·4	4½	2½
C	23	—	—	—	—	1·9	27·2	30·9	40·0	—	51·4	6·3	62·9	12·5	5	3½
B$_1$	—	−1	1·45	58·2	12·7	2·1	12·4	34·8	50·7	4	81·9	6·7	92·8	9·3	5	4
B$_2$	—	−1	1·45	41·8	—	1·6	40·5	24·3	33·6	—	22·5	—	37·9	14·3	3½	2½
B	21	—	—	—	—	1·9	24·1	30·4	43·6	—	57·1	—	69·9	11·0	4½	3½
A	13	—	—	—	12·4	2·4	14·4	32·5	50·7	—	79·1	7·8	90·1	10·4	4½	3½
P 492 F	27	—	—	—	—	2·2	28·8	21·4	47·5	—	12·6	9·2	46·8	15·7	—	1Ag
E	22	—	—	—	—	1·9	29·6	25·9	42·5	—	30·0	7·8	47·4	11·4	2	1Ag
D$_1$	—	−1	1·45	33·8	13·1	2·3	10·1	31·5	56·0	2	83·3	6·3	95·1	8·1	3	1½Ag
D$_2$	—	−1	1·45	66·2	—	1·8	30·6	23·9	43·7	—	21·5	8·8	42·3	15·0	1Ag	1Ag
D	19	—	—	—	—	2·0	23·7	26·5	47·9	—	42·4	7·1	60·1	8·3	—	—
C$_1$	—	−1	1·45	80·2	13·2	2·0	9·9	36·5	51·5	3½	87·7	6·3	95·9	7·9	5½	4
C$_2$	—	−1	1·45	19·8	—	1·5	30·5	29·1	38·9	—	32·3	9·6	52·9	15·6	3	1Ag
C	12	—	—	—	—	1·9	14·1	35·0	49·0	—	76·7	6·6	87·4	8·8	5	—
B$_1$	—	−1	1·45	39·4	12·9	2·3	10·1	34·5	53·0	1½Ag	85·2	5·6	93·4	7·3	3½	2½
B$_2$	—	−1	1·45	60·6	—	1·3	40·1	23·3	35·2	—	14·5	7·7	24·4	13·0	1½Ag	1Ag
B	16	—	—	—	—	1·7	28·4	27·7	42·2	—	42·4	6·0	51·6	8·9	2½	—
A	10	—	—	—	—	1·8	33·5	21·8	42·9	—	15·3	7·0	37·7	15·1	2	1Ag

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Grootte, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H$_2$O %	As Ash %	Vlugtige bestand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
P 493 E	36	—	—	—	—	2·2	28·2	18·7	50·8	—	20·4	5·9	96·5	11·4	F	—
D	36	—	—	—	—	1·9	36·0	18·1	43·9	—	18·0	5·5	36·8	9·9	F	—
C$_1$	—	−1	1·58	79·7	—	—	—	—	—	—	—	—	—	—	—	—
C$_2$	—	−1	1·58	20·3	—	—	—	—	—	—	—	—	—	—	—	—
B$_1$	—	−1	1·58	71·7	—	—	—	—	—	—	—	—	—	—	—	—
B$_2$	—	−1	1·58	28·3	—	—	—	—	—	—	—	—	—	—	—	—
C$_1$B$_1$	—	−1	1·58	75·7	12·4	2·4	12·6	21·4	63·5	—	55·6	5·5	88·7	9·1	F	—
B$_2$C$_2$	—	−1	1·58	24·3	—	1·6	39·5	20·4	38·5	—	8·8	5·5	21·9	11·5	—	—
CB	112	—	—	—	—	2·2	19·2	21·2	57·4	—	44·2	5·5	72·5	9·3	—	—
A$_1$	—	−1	1·45	74·5	13·4	2·3	7·8	29·8	60·1	1Ag	86·2	5·4	98·4	7·0	1Ag	1Ag
A$_2$	—	−1	1·45	25·5	—	1·5	36·3	23·4	38·8	—	5·6	7·8	29·0	12·8	—	F
A	50	—	—	—	—	2·1	15·1	28·2	54·6	—	65·6	5·5	80·7	7·5	—	—
P 494 D$_1$	—	−1	1·45	88·9	13·6	2·3	7·0	28·4	62·3	1Ag	89·8	4·8	97·9	5·8	1½Ag	1Ag
D$_2$	—	−1	1·45	11·1	10·5	1·9	23·8	14·1	50·2	—	33·5	7·5	61·6	12·5	1½Ag	F
D	14	—	—	—	13·2	2·3	8·9	26·8	62·1	—	83·6	4·9	93·9	6·3	—	—
C$_1$	—	−1	1·58	85·9	12·2	2·0	14·5	22·4	61·1	—	49·9	7·7	91·0	12·1	F	—
C$_2$	—	−1	1·58	14·1	—	1·4	34·2	20·8	43·6	—	9·5	7·9	30·2	15·2	—	—
C	62	—	—	—	—	1·9	17·3	22·2	58·6	—	44·2	7·7	82·4	12·3	—	—
B$_1$	—	−1	1·45	45·6	13·0	2·2	10·9	28·3	58·6	1Ag	76·1	6·8	95·9	9·1	1Ag	1Ag
B$_2$	—	−1	1·45 } −1·58 }	31·0	11·1	1·8	20·8	20·6	56·8	—	20·7	8·0	75·0	15·3	F	—
B$_1$B$_2$	—	−1	1·58	76·6	12·2	2·0	15·0	25·2	57·8	—	—	—	—	—	—	—
B$_3$	—	−1	1·58	23·4	—	1·1	52·2	17·5	29·2	—	6·2	—	12·9	14·3	1½Ag	F
B	40	—	—	—	—	1·8	23·7	23·4	51·1	—	42·6	—	70·0	11·4	—	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
A_1	—	—1	1·45	78·5	13·1	2·2	9·9	26·0	61·9	1Ag	79·6	7·0	98·8	9·2	1Ag	1Ag
A_2	—	—1	1·45 —1·58	11·1	10·7	1·8	22·2	24·9	51·1	—	25·6	8·8	71·8	14·2	1Ag	F
A_1A_2	—	—1	1·58	89·6	12·8	2·1	11·4	25·9	60·6	—	—	—	—	—	—	—
A_3	—	—1	1·58	10·4	—	1·1	36·0	27·3	35·6	—	20·7	8·1	32·8	13·0	2½	1Ag
A	39	—	—	—	—	2·0	14·0	26·0	58·0	—	67·5	7·1	89·0	9·8	—	—
P 495 A_1	—	—1	1·58	81·4	12·4	2·0	14·5	22·7	60·8	—	53·6	7·4	91·1	11·3	1Ag	F
A_2	—	—1	1·58	18·6	—	1·1	44·7	25·2	29·0	—	7·5	—	15·7	13·7	1Ag	F
A	51	—	—	—	—	1·8	20·1	23·2	54·9	—	45·0	—	77·1	11·4	—	—

BOORGAT 73 : GOEDEHOOP 1372 : BOREHOLE 73

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Moddersteen	177 10	—	Mudstone.
Skalie	3	178 1	Shale.
Glanskool, gelaag, en koolstofhoudende skalie; kalsiet- en en piriethoudend.	1 10	—	**Coal**, bright, banded, and carbonaceous shale; calcitic and pyritic.
Hoofsaaklik koolstofhoudende skalie; piriethoudend.	5	—	Mainly carbonaceous shale; pyritic.
Moddersteen, met twee 6-dm. glanskoollagies.	7 8	188 0	Mudstone, with two 6-in. bright coal bands.
Skalielae en skalieagtige glanskoollae om die beurt.	6 2	—	Shale bands and shaly bright coal bands, alternating.
Glanskool, dungelaag, skalieagtig en piriethoudend.	9	—	**Coal,** bright, thinly banded, shaly and pyritic.
Glanskool, gelaag, met enkele skalieagtige lae; kalsiethoudend by bo-ent.	1 7	—	**Coal,** bright, banded, with occasional shaly bands; calcitic at top.
Skalie en glanskool	1 9	—	Shale and bright coal.
Glanskool, gelaag, plek-plek skalieagtig; kalsiethoudend.	1 9	200 0	**Coal,** bright, banded, shaly in places; calcitic.
Skalie, swart	3 9	—	Shale, black.
Skalie en gelaagde glanskool ...	5 8	—	Shale and banded, bright coal.
Skalie, swart, plek-plek steenkoolagtig; glyvlak by onderent.	2 6	211 11	Shale, black, coaly in places; slip plane at bottom.
Glanskool, gelaag, kalsiethoudend.	1 2	—	**Coal,** bright, banded, calcitic.
Skalie, koolstofhoudend, met baie glanskoollagies in boonste deel.	3 5	—	Shale, carbonaceous, with many bright coal bands in top portion.
Glanskool, gelaag, en skalie; piriet- en kalsiethoudend.	1 5	—	**Coal,** bright, banded, and shale; pyritic and calcitic.
Glanskool, piriet, skalie en kalsiet.	11	—	**Coal,** bright, pyrites, shale and calcite.
Glanskool, gelaag, plek-plek pikagtig; piriet- en kalsiethoudend.	1 7	—	**Coal,** bright, banded, pitchlike in parts; pyritic and calcitic.
Skalie en gelaagde glanskool; plek-plek piriethoudend.	6 2	—	Shale and banded bright coal; pyritic in places.
Glanskool, gelaag, met 'n 3-dm. kalsiet- en piriethoudende laag 5 dm. van bo af.	2 7	—	**Coal,** bright, banded, with a 3-in. calcitic and pyritic band 5 in. from top.
Skalie, koolstofhoudend, en glanskool.	2 0	—	Shale, carbonaceous, and bright coal.
Glanskool, gelaag, kalsiethoudend; 4 dm. skalie met 'n glyvlak 18 dm. van bo af.	4 0	235 2	**Coal,** bright, banded, calcitic; 4 in. shale with a slip plane 18 in. from top.
Glanskool, gelaag, plek-plek skalieagtig, piriethoudend en bevat twee 3-dm. lae met siderietkorrels.	2 4	237 6	**Coal,** bright, banded, shaly in places, pyritic and contains two 3-in. bands with siderite pellets.
Skalie, met 'n 5-dm. skalieagtige steenkoollaag.	2 3	—	Shale, with a 5-in. shaly coal band.
Glanskool, gelaag, plek-plek pikagtig, piriet- en kalsiethoudend by onder- en bo-ent.	1 4	—	**Coal,** bright, banded, pitchlike in parts, pyritic and calcitic at bottom and top.
Skalie, swart	3 5	—	Shale, black.
Glanskool, gelaag, plek-plek skalieagtig.	2 11	—	**Coal,** bright, banded, shaly in places.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, vaal		4	—		Shale, grey.
Glanskool, gelaag, plek-plek pikagtig.	1	4	—		**Coal,** bright, banded, pitch-like in parts.
Glanskool, gelaag, en skalie ...		4	—		**Coal,** bright, banded, and shale.
Skalie en steenkool		7	—		Shale and coal.
Glanskool, gelaag, met twee 2-dm. skalielae in boonste helfte; onderste helfte bevat siderietkorrels; piriethoudend.	3	1	253	3	**Coal,** bright, banded, with two 2-in. coal bands in top half; bottom half contains siderite pellets; pyritic.
Skalie, koolstofhoudend, met enkele steenkoollae.	11	9	265	0	Shale, carbonaceous, with occasional coal bands.
Glanskool, gelaag, met 1 dm. koolstofhoudende skalie naby middel; bevat siderietkorrels.	1	8	—		**Coal,** bright, banded, with 1 in. carbonaceous shale near middle; contains siderite pellets.
Skalie, koolstofhoudend	1	8	—		Shale, carbonaceous.
Glanskool, gelaag, met 'n dun moddersteenlagie 4 dm. van onder af; piriethoudend; skalieagtig by onderent.		10	—		**Coal,** bright, banded, with a thin mudstone band 4 in. from bottom; pyritic; shaly at bottom.
Skalie en steenkool		10	—		Shale and coal.
Glanskool, gelaag, met drie 2-dm. skalielae; plek-plek piriethoudend.	4	0	—		**Coal,** bright, banded, with three 2-in. shale bands; pyritic in places.
Skalielae, koolstofhoudend, en gelaagde glanskoollae; piriet- en sideriethoudend by onderent.	15	1	—		Shale bands, carbonaceous, and bands of banded bright coal; pyritic and sideritic at bottom.
Glanskool, gelaag, met twee 4-dm. koolstofhoudende skalielae; bevat plek-plek siderietkorrels.	3	2	—		**Coal,** bright, banded, with two 4-in. carbonaceous shale bands; contains siderite pellets in places.
Skalie, koolstofhoudend, en gelaagde glanskool.	2	10	—		Shale, carbonaceous, and banded bright coal.
Skalie, koolstofhoudend met 'n paar steenkoollae.	9	8	304	9	Shale, carbonaceous, with a few coal bands.
Glanskool, gelaag, plek-plek pikagtig, piriethoudend.		8	—		**Coal,** bright, banded, pitch-like in parts, pyritic.
Skalie, vaal tot swart		7	—		Shale, grey to black.
Glanskool, gelaag, plek-plek pikagtig.		9	—		**Coal,** bright, banded, pitch-like in parts.
Skalielae, koolstofhoudend, en glanskoollae om die beurt.	5	3	—		Shale bands, carbonaceous, and bright coal bands, alternating.
Glanskool, gelaag	1	11	—		**Coal,** bright, banded.
Skalie, koolstofhoudend, en glanskool.	1	6	—		Shale, carbonaceous, and bright coal.
Glanskool, pikagtig, met 1 dm. skalie en 'n glyvlak 3 dm. van bo af.	1	0	—		**Coal,** bright, pitchlike, with 1 in. shale and a slip plane 3 in. from top.
Skalie, koolstofhoudend		3	—		Shale, carbonaceous.
Glanskool, gelaag, piriethoudend.		10	—		**Coal,** bright, banded, pyritic.
Skalielae, koolstofhoudend, en glanskoollae om die beurt.	2	4	—		Shale bands, carbonaceous, and bands of bright coal, alternating.
Glanskool, gelaag	1	6	321	4	**Coal,** bright, banded.
Skalie, koolstofhoudend	2	0	323	4	Shale, carbonaceous.
Glanskool, gelaag, met 2 dm. skalie in middel (kern erg gebreek).	1	0	—		**Coal,** bright, banded, with 2 in. shale in middle (core badly broken).

Bg. 73 (*Verv.*) B.H. 73 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, met enkele steenkoollae.	6	10	—		Shale, with occasional coal bands.
Glanskool, gelaag, met siderietkorrels by bo-ent.		9	—		**Coal**, bright, banded, with siderite pellets at top.
Skalie	1	7	—		Shale.
Skalie, koolstofhoudend, en steenkool; hoofsaaklik skalie; glyvlak naby onderent.	6	11	—		Shale, carbonaceous, and coal; mainly shale; slip plane near bottom.
Glanskool, gelaag, plek-plek skalieagtig; bevat siderietkorrels (kern gebreek by bo-ent waar steenkool piriethoudend is).	2	1	342	6	**Coal**, bright, banded, shaly in places; contains siderite pellets (core broken at top where coal is pyritic).
Skalie, koolstofhoudend	1	2	—		Shale, carbonaceous.
Glanskool, pikagtig, piriethoudend, met 2 dm. skalie by onderent; bevat siderietkorrels.		10	—		**Coal**, bright, pitch-like, pyritic, with 2 in. shale at bottom; contains siderite pellets.
Skalie, koolstofhoudend, met steenkoollae.	13	3	—		Shale, carbonaceous, with coal bands.
Glanskool, gelaag		9	—		**Coal**, bright, banded.
Skalie		10	359	4	Shale.
Glanskool, pikagtig, kalsiethoudend.		8	—		**Coal**, bright, pitch-like, calcitic.
Skalie, koolstofhoudend	1	0	—		Shale, carbonaceous.
Glanskoollae, pikagtig, en koolstofhoudende skalielae om die beurt; piriet- en kalsiethoudend.	2	7	—		**Coal**, bright, pitch-like bands, and carbonaceous shale bands, alternating; pyritic and calcitic.
Skalie, koolstofhoudend, met enkele steenkoollae.	9	8	—		Shale, carbonaceous, with occasional coal bands.
Glanskool, gelaag	1	4	374	7	**Coal**, bright, banded.
Skalie, koolstofhoudend, en steenkoolagtige skalie, met enkele glanskoollae.	28	1	402	8	Shale, carbonaceous, and coaly shale, with occasional bright coal bands.
Steenkool; hoofsaaklik swaar, matkool; piriethoudend.	5	4	—		**Coal**; mainly heavy, dull coal; pyritic.
Glanskoollae, gelaag, en lae swaar matkool om die beurt; piriethoudend.	2	1	—		**Coal** bands, bright, banded, and bands of heavy dull coal, alternating; pyritic.
Glanskool, gelaag		7	—		**Coal**, bright, banded.
Skalie, koolstofhoudend, en glanskool.		4	—		Shale, carbonaceous, and bright coal.
Glanskool, gelaag		4	—		**Coal**, bright, banded.
Skalie, piriethoudend		2	—		Shale, pyritic.
Glanskool, gelaag, pikagtig, kalsiethoudend; 1 dm. skalie en moddersteen 2 dm. van onder af.		7	—		**Coal**, bright, banded, pitch-like, calcitic; 1 in. shale and mudstone 2 in. from bottom.
Steenkool; hoofsaaklik swaar matkool.		10	—		**Coal**; mainly heavy, dull coal.
Skalie, ligbruin, bo-ent koolstofhoudend.	2	1	415	0	Shale, light-brown, top carbonaceous.
Sandsteen, middel- tot grofkorrelrig, vuilwit, mikadraend, veldspaties, met fynkorrelrige, gelaagde, mikadraende sandsteenlagies.	6	0	421	0	Sandstone, medium- to coarse-grained, dirty white, micaceous, felspathic, with fine-grained, laminated, micaceous sandstone bands.
Skalie, koolstofhoudend, en steenkoolagtige skalie; hoofsaaklik skalie; 6 dm. pikagtige glanskool by onderent; bevat enkele glyvlakke.	12	10	—		Shale, carbonaceous, and coaly shale; mainly shale; 6 in. pitch-like bright coal at bottom; contains an occasional slip plane.

Bg. 73 (*Verv.*) B.H. 73 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Skalie, swart, met dun, vaal skalielagies; fossieldraend.	6	6	—		Shale, black, with thin, grey shale bands; fossiliferous.
Matkool, swaar, plek-plek korrelrig; 10 dm. koolstofhoudende skalie en steenkoolagtige skalie 14 dm. van bo af.	4	0	—		**Coal,** dull, heavy, granular in places; 10 in. carbonaceous shale and coaly shale 14 in. from top.
Skalie, vaal	1	10	—		Shale, grey.
Skalie, vaal en ligbruin	2	11	—		Shale, grey and light-brown.
Skalie, vaalbruin	4	6	453	7	Shale, greyish brown.
Matkool, korrelrig, en bevat enkele glanskoolstrepies; kalsiethoudend, met 2 dm. piriet in middel.	3	6	—		**Coal,** dull, granular, and contains occasional bright coal stringers; calcitic, with 2 in. pyrite in middle.
Steenkool, hoofsaaklik matkool.	2	1	—		**Coal;** mainly dull coal.
Matkool, skalieagtig en fusiethoudend.		2	—		**Coal,** shaly and fusainous.
Matkool, met drie lae korrelrige sideriet; boonste helfte bevat baie glanskoolstrepies; kalsiethoudend by onderent.	2	1	461	5	**Coal,** dull, with three bands of granular siderite; top half contains many bright coal stringers; calcitic at bottom.
Matkool, korrelrig, plek-plek swaar, met twee koolstofhoudende skalielagies.	2	6	463	11	**Coal,** dull, granular, heavy in places, with two carbonaceous shale bands.
Steenkool, vuil, piriethoudend...		1	—		**Coal,** dirty, pyritic.
Matkool, glansend, met baie min glanskool.	1	6	—		**Coal,** dull, lustrous, with very little bright coal.
Skalie en steenkool		10	—		Shale and coal.
Matkool, met enkele glanskoolstrepies.	1	6	—		**Coal,** dull, with occasional bright coal stringers.
Matkool; hoofsaaklik ongelaag, met enkele glanskoolstrepies; onderste 7 dm. gebreek waar glyvlakke voorkom.	3	7	—		**Coal,** dull; mainly non-banded, with occasional bright coal stringers; bottom 7 in. broken where slip planes occur.
Matkool, met 'n bietjie glanskool by onder- en bo-ent waar die steenkool plek-plek piriethoudend is.	3	3	—		**Coal,** dull, with a little bright coal at bottom and at top where coal is pyritic in parts.
Steenkool, vuil		3	—		**Coal,** dirty.
Steenkool, gemeng; hoofsaaklik matkool in middel en hoofsaaklik glanskool by onderent; glyvlak by onderent.	3	10	478	9	**Coal,** mixed; mainly dull coal in middle and mainly bright coal at bottom; slip plane at bottom.
Sandsteen, fynkorrelrig, gelaag, grys tot swart, mikadraend; onderste 27 dm. is fyn- tot middelkorrelrig, grys tot swart, veldspaties.	10	5	489	2	Sandstone, fine-grained, laminated, grey to black, micaceous, bottom 27 in. is fine- to medium-grained, grey to black, felspathic.
Steenkool, gemeng		8	—		**Coal,** mixed.
Moddersteen, sandsteen en steenkool.		4	—		Mudstone, sandstone and coal.
Matkool hoofsaaklik		3	—		**Coal;** mainly dull coal.
Moddersteen, koolstofhoudend		1	—		Mudstone, carbonaceous.
Matkool, nie-gelaag		8	—		**Coal,** dull, non-banded.
Matkool, met enkele glanskoollagies en ½ dm. moddersteen 9 dm. van onder af.	4	5	—		**Coal,** dull, with occasional bright coal bands and ½ in. mudstone 9 in. from bottom.
Steenkool, vuil, kalsiethoudend.		2	—		**Coal,** dirty, calcitic.
Steenkool, gemeng; hoofsaaklik matkool.		11	—		**Coal,** mixed; mainly dull coal.
Moddersteen		1	—		Mudstone.
Steenkool, gemeng, gelaag ...		7	—		**Coal,** mixed, banded.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Steenkool; lae van gemengde steenkool en matkool (kern gebreek.	2 0	—	**Coal**; bands of mixed coal and dull coal (core broken).
Steenkool, vuil	2	—	**Coal**, dirty.
Steenkool; lae van matkool en gemengde steenkool om die beurt; dungelaag na onder; bevat groot pirietknolle en 'n 1-dm. vuil kalsiethoudende laag 12 dm. van bo af.	3 8	503 2	**Coal**; alternating bands of dull coal and mixed coal; thinly banded towards bottom; contains big pyrite nodules and a 1-in. dirty calcitic band 12 in. from top.
Sandsteen, fynkorrelrig, gelaag, grys tot swart, mikadraend, met 'n neiging om skalieagtig te word na onder.	23 10	—	Sandstone, fine-grained, laminated, grey to black, micaceous, with a tendency to become shaly towards bottom.
Sandsteen, grofkorrelrig, veldspaties, grys en swart, met swart, fynkorrelrige, skalieagtige sandsteenlagies.	2 0	—	Sandstone, coarse-grained, felspathic, grey and black, with black, fine-grained shaly sandstone bands.
Sandsteen, middelkorrelrig, veldspaties, vaal, en fynkorrelrige, swart, gelaagde, skalieagtige sandsteen.	3 5	—	Sandstone, medium-grained, felspathic, grey, and fine-grained, black, laminated, shaly sandstone.
Sandsteen, middel- tot grofkorrelrig, veldspaties, vaalwit.	2 3	—	Sandstone, medium- to coarse-grained, felspathic, greyish white.
Sandsteen, fynkorrelrig, gelaag, swart.	3 0	—	Sandstone, fine-grained, laminated, black.
Sandsteen, middelkorrelrig, vaalwit, veldspaties, met baie dun, swart sandsteenlagies.	10 9	548 5	Sandstone, medium-grained, greyish white, felspathic, with very thin, black sandstone bands.
Matkool, nie-gelaag, met enkele glanskoolstrepies en plek-plek met 'n wasagtige glans; 4 dm. hoofsaaklik moddersteen 6 dm. van onder af.	2 7	551 0	**Coal**, dull, non-banded, with occasional bright coal stringers and a waxy lustre in places; 4 in. mainly mudstone 6 in. from bottom.
Sandsteen, middel- tot grofkorrelrig en grintagtig, veldspaties, vaalwit, gelaag, met gelaagde, fynkorrelrige swart sandsteen; bevat een 1-dm. en een 3-dm. matkoollagies.	14 0	565 0	Sandstone, medium- to coarse-grained and gritty, felspathic, greyish white, laminated, with banded, fine-grained, black sandstone; contains one 1-in. and one 3-in. dull coal bands.

BOORGAT 73 : GOEDEHOOP 1372 : BOREHOLE 73

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 550	N.G.	3	178 1	N.S.
C	Glanskool, gelaag, en koolstofhoudende skalie; kalsiet- en piriethoudend.	22	—	Coal, bright, banded, and carbonaceous shale; calcitic and pyritic.
	N.G.	5	—	N.S.
	N.G.	92	—	N.S.
	N.G.	74	—	N.S.
B	Glanskool, dungelaag, skalieagtig en piriethoudend.	9	—	Coal, bright, thinly banded, shaly and pyritic.
	Glanskool, gelaag, met enkele skalieagtige lae: kalsiethoudend by bo-ent.	19	—	Coal, bright, banded, with occasional shaly bands; calcitic at top.
	N.G.	21	—	N.S.
A	Glanskool, gelaag, plekplek skalieagtig; kalsiethoudend.	21	200 0	Coal, bright, banded, shaly in places; calcitic.
P 551	N.G.	30	211 11	N.S.
F	Glanskool, gelaag, kalsiethoudend.	14	—	Coal, bright, banded, calcitic.
	N.G.	41	—	N.S.
E	Glanskool, gelaag, en skalie; piriet- en kalsiethoudend.	17	—	Coal, bright, banded, and shale; pyritic and calcitic.
D	Glanskool, piriet, skalie en kalsiet.	11	—	Coal, bright, pyrite, shale and calcite.
C	Glanskool, gelaag, plekplek pikagtig; piriet- en kalsiethoudend.	19	—	Coal, bright, banded, pitch-like in parts; pyritic and calcitic.
	N.G.	74	—	N.S.
B	Glanskool, gelaag, met 'n 3-dm. kalsiet- en piriethoudende lagie 5 dm. van bo af.	31	—	Coal, bright, banded, with a 3-in. calcitic and pyritic band 5 in. from top.
	N.G.	24	—	N.S.
A	Glanskool, gelaag, kalsiethoudend; 4 dm. skalie met 'n glyvlak 18 dm. van bo af.	48	235 2	Coal, bright, banded, calcitic; 4 in. shale with a slip plane 18 in. from top.
P 552 E	Glanskool, gelaag; plekplek skalieagtig; piriethoudend en bevat twee 3-dm. lae met siderietkorrels.	28	237 6	Coal, bright, banded, shaly in places; pyritic and contains two 3-in. bands with siderite pellets.
	N.G.	27	—	N.S.
D	Glanskool, gelaag, plekplek pikagtig; piriet- en kalsiethoudend by onder- en bo-ent.	16	—	Coal, bright, banded, pitch-like in places; pyritic and calcitic at bottom and top.
	N.G.	41	—	N.S.
C	Glanskool, gelaag, plekplek skalieagtig.	35	—	Coal, bright, banded, shaly in parts.
	Skalie, vaal	4	—	Shale, grey.
	Glanskool, gelaag, plekplek pikagtig.	16	—	Coal, bright, banded, pitch-like in places.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
B	**Glanskool,** gelaag, en skalie.	4	—	Coal, bright, banded, and shale.
	N.G.	7	—	N.S.
A	**Glanskool,** gelaag, met twee 2-dm. skalielagies in boonste helfte; onderste helfte bevat siderietkorrels; piriethoudend.	37	253 3	Coal, bright, banded, with two 2-in. shale bands in top half; bottom half contains siderite pellets; pyritic.
P 553	N.G.	141	265 0	N.S.
C	**Glanskool,** gelaag, met 1 dm. koolstofhoudende skalie naby middel; bevat siderietkorrels.	20	—	Coal, bright, banded, with 1 in. carbonaceous shale near middle; contains siderite pellets.
	N.G.	20	—	N.S.
	N.G.	10	—	N.S.
	N.G.	10	—	N.S.
B	**Glanskool,** gelaag, met drie 2-dm. skalielae; plek-plek piriethoudend.	48	—	Coal, bright, banded, with three 2-in. shale bands; pyritic in places.
	N.G.	181	—	N.S.
A	**Glanskool,** gelaag, met twee 4-dm. koolstofhoudende skalielae; bevat plek-plek siderietkorrels.	38	292 3	Coal, bright, banded, with two 4-in. carbonaceous shale bands; contains siderite pellets in places.
P 554	N.G.	116	304 9	N.S.
D	**Glanskool,** gelaag, plek-plek pikagtig.	8	—	Coal, bright, banded, pitch-like in parts.
	N.G.	7	—	N.S.
	Glanskool, gelaag, plek-plek pikagtig.	9	—	Coal, bright, banded, pitch-like in parts.
	N.G.	63	—	N.S.
C	**Glanskool,** gelaag ...	23	—	Coal, bright, banded.
	N.G.	18	—	N.S.
B	**Glanskool,** pikagtig, met 'n 1-dm. skalielagie en 'n glyvlak 3 dm. van bo af.	12	—	Coal, bright, pitch-like, with a 1-in. shale band and a slip plane 3 in. from top.
	Skalie, koolstofhoudend	3	—	Shale, carbonaceous.
	Glanskool, gelaag, piriethoudend.	10	—	Coal, bright, banded, pyritic.
	N.G.	28	—	N.S.
A	**Glanskool,** gelaag ...	18	321 4	Coal, bright, banded.
P 555	N.G.	24	323 4	N.S.
B	**Glanskool,** gelaag, met 2 dm. skalie in middel (kern erg gebreek).	12	—	Coal, bright, banded, with 2 in. shale in middle (core badly broken).
	N.G.	82	—	N.S.
	N.G.	9	—	N.S.
	N.G.	19	—	N.S.
	N.G.	83	—	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
A	**Glanskool,** gelaag, plekplek skalieagtig; bevat siderietkorrels (kern gebreek by boent waar steenkool piriethoudend is).	25	342 6	**Coal,** bright, banded, shaly in places; contains siderite pellets (core broken at top where coal is pyritic).
P 556	N.G.	10	359 4	N.S.
	Glanskool, pikagtig ...	8	—	**Coal,** bright, pitch-like.
	N.G.	12	—	N.S.
B	**Glanskoollae,** pikagtig, en koolstofhoudende skalielae om die beurt; piriet- en kalsiethoudend.	31	—	**Coal,** bright, pitch-like bands, and carbonaceous shale bands alternating; pyritic and calcitic.
	N.G.	116	—	N.S.
A	**Glanskool,** gelaag ...	16	374 7	**Coal,** bright, banded.
P 557	N.G.	337	402 8	N.S.
D	**Steenkool;** hoofsaaklik swaar matkool; piriethoudend.	64	—	**Coal;** mainly heavy, dull coal; pyritic.
C	**Glanskoollae,** gelaag, en lae swaar matkool om die beurt; piriethoudend.	25	—	**Coal** bands, bright, banded, and bands of heavy, dull coal alternating; pyritic.
	Glanskool, gelaag ...	7	—	**Coal,** bright, banded.
	Skalie, koolstofhoudend, en glanskool.	4	—	Shale, carbonaceous, and bright coal.
	Glanskool, gelaag ...	4	—	**Coal,** bright, banded.
B	Skalie, piriethoudend.	2	—	Shale, pyritic.
	Glanskool, gelaag, pikagtig, kalsiethoudend; 'n 1-dm. skalie- en moddersteenlagie 2 dm. van onder af.	7	—	**Coal,** bright, banded, pitch-like, calcitic; a 1-in. shale and mudstone band 2 in. from bottom.
A	**Steenkool;** hoofsaaklik swaar matkool.	10	412 11	**Coal;** mainly heavy, dull coal.
P 600	N.G.	54	453 7	N.S.
C	**Matkool,** korrelrig, en bevat enkele glanskoolstrepies; kalsiethoudend met 'n 2-dm. pirietlagie in middel.	42	—	**Coal,** dull, granular, and contains occasional bright coal stringers; calcitic, with a 2-in. pyrite band in middle.
B	**Steenkool;** hoofsaaklik matkool.	25	—	**Coal;** mainly dull coal.
	N.G.	2	—	N.S.
A	**Matkool,** met drie korrelrige siderietlagies; boonste helfte bevat baie glanskoolstrepies; kalsiethoudend by onderent.	25	461 5	**Coal,** dull, with three granular siderite bands; top half contains many bright coal stringers; calcitic at bottom.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 601				
F	**Matkool,** korrelrig, plek-plek swaar, met twee koolstofhoudende skalielagies.	30	463 11	**Coal,** dull, granular, heavy in places, with two carbonaceous shale bands.
	N.G.	1	—	N.S.
E	**Matkool,** glansend, met baie min glanskool.	18	—	**Coal,** dull, lustrous, with very little bright coal.
	N.G.	10	—	N.S.
D	**Matkool,** met enkele glanskoolstrepies.	18	—	**Coal,** dull, with occasional bright coal stringers.
C	**Matkool;** hoofsaaklik ongelaag, met enkele glanskoolstrepies; onderste 7 dm. gebreek waar glyvlakke voorkom.	43	—	**Coal;** mainly non-banded, with occasional bright coal stringers; bottom 7 in. broken where slip planes occur.
B	**Matkool,** met 'n bietjie glanskool by onder- en bo-ent waar die steenkool plek-plek piriethoudend is.	39	—	**Coal,** dull, with a little bright coal at bottom and top where coal is pyritic in places.
	N.G.	3	—	N.S.
A	**Steenkool,** gemeng; hoofsaaklik matkool in middel en hoofsaaklik glanskool by onderent; glyvlak by onderent.	46	478 9	**Coal,** mixed; mainly dull in middle and mainly bright at bottom; slip plane at bottom.
P 602	N.G.	125	489 2	N.S.
E	**Steenkool,** gemeng ...	8	—	**Coal,** mixed.
	N.G.	4	—	N.S.
D	**Matkool** hoofsaaklik ...	3	—	**Coal;** mainly dull coal.
	Moddersteen, koolstofhoudend.	1	—	**Mudstone,** carbonaceous.
	Matkool, ongelaag ...	8	—	**Coal,** dull, non-banded.
	Matkool, met enkele glanskoollagies; ½ dm. moddersteen 9 dm. van onder af.	53	—	**Coal,** dull, with occasional bright coal bands; ½ in. mudstone 9 in. from bottom.
	N.G.	2	—	N.S.
C	**Steenkool,** gemeng; hoofsaaklik matkool.	11	—	**Coal,** mixed; mainly dull coal.
	N.G.	1	—	N.S.
	Steenkool, gemeng, gelaag.	7	—	**Coal,** mixed, banded.
	Steenkool; lae van gemengde steenkool en matkool (kern gebreek).	24	—	**Coal;** bands of mixed coal and dull coal (core broken.
	N.G.	2	—	N.S.
B	**Steenkool;** lae van matkool en gemengde steenkool om die beurt; dungelaag na onder; bevat piriet-knolle en 'n 1-dm. vuil kalsiethoudende lagie 12 dm. van bo-af.	44	—	**Coal;** alternating bands of dull coal and mixed coal; thinly banded towards bottom; contains big pyrite nodules and a 1-in. dirty calcitic band 12 in. from top.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
	N.G.	286	527 0	N.S.
	N.G.	24	—	N.S.
	N.G.	41	—	N.S.
	N.G.	27	—	N.S.
	N.G.	36	—	N.S.
	N.G.	129	548 5	N.S.
A	Matkool, nie-gelaag, met enkele glanskoolstrepies en plek-plek met 'n wasagtige glans; 4 dm. hoofsaaklik moddersteen 6 dm. van onder af.	31	551 0	Coal, dull, non-banded, with occasional bright coal stringers and a waxy lustre in places; 4 in. mainly mudstone 6 in. from bottom.

BOORGAT 73 : GOEDEHOOP 1372 : BOREHOLE 73

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-standdele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
P 550 C_1	—	−1	1·45	63·3	12·2	2·6	14·1	36·9	46·4	4	78·0	7·9	94·2	11·6	5½	4
C_2	—	−1	1·45	36·7	—	2·0	29·7	31·9	36·4	—	26·9	10·2	31·7	13·4	2½	—
C	22	—	—	—	—	2·4	19·8	35·1	42·7	—	59·2	8·3	71·3	11·9	5	—
B_1	—	−1	1·45	46·5	12·0	2·9	15·0	33·1	49·0	2½	73·1	7·8	92·7	12·0	3½	3
B_2	—	−1	1·45	53·5	—	2·2	36·1	27·3	34·4	—	26·1	10·6	48·6	20·2	3½	1
B	28	—	—	—	—	2·5	26·3	30·0	41·2	—	48·0	8·6	69·1	15·1	3½	2½
A_1	—	−1	1·45	78·9	12·1	2·7	15·4	34·2	47·7	2½	74·7	8·8	93·1	12·7	5	4
A_2	—	−1	1·45	21·1	—	1·6	30·3	30·0	38·1	—	26·1	8·4	59·3	19·7	3½	2
A	21	—	—	—	—	2·5	18·5	33·3	45·7	—	64·4	8·8	86·0	13·7	4½	4
P 551 F	14	—	—	—	11·2	2·4	18·6	34·9	44·1	—	65·8	7·7	83·2	11·4	3	3
E	17	—	—	—	—	2·0	36·1	28·0	33·9	—	30·3	8·6	45·4	15·1	3	3
D	11	—	—	—	—	2·0	36·4	35·4	26·2	—	11·3	8·4	38·6	14·2	—	3½
C_1	—	−1	1·45	81·8	12·5	2·7	12·6	35·9	48·8	3	85·1	8·0	95·8	10·7	3½	3½
C_2	—	−1	1·45	18·2	—	1·9	38·7	30·6	28·8	—	11·9	7·6	32·1	12·0	—	3
C	19	—	—	—	—	2·6	17·4	34·9	45·1	—	71·8	8·0	84·2	10·8	—	3½
B_1	—	−1	1·45	74·5	12·1	2·5	14·6	34·8	48·1	2½	76·0	7·9	95·9	13·3	3	3
B_2	—	−1	1·45	25·5	—	2·1	34·1	29·4	34·4	—	17·3	8·4	48·6	15·9	3	2½
B	31	—	—	—	—	2·4	19·6	33·4	44·6	—	61·0	7·9	83·8	13·7	3	3
A_1	—	−1	1·45	71·4	12·5	2·7	12·2	37·9	47·2	3	82·1	7·9	94·4	10·5	3½	3½
A_2	—	−1	1·45	28·6	—	1·6	49·3	22·4	26·7	—	7·3	7·0	15·4	14·6	—	2
A	48	—	—	—	—	2·4	22·8	33·5	41·3	—	60·7	7·9	71·8	10·8	—	3½
P 552 E_1	—	−1	1·45	37·0	12·1	2·5	15·6	34·4	47·5	—	73·0	8·2	87·0	10·3	3½	3
E_2	—	−1	1·45	63·0	—	2·1	34·8	30·3	32·8	—	34·1	9·9	41·8	13·6	—	3
E	28	—	—	—	—	2·2	27·7	31·8	38·3	—	48·5	9·0	58·5	11·8	—	—
D_1	—	−1	1·45	76·8	12·5	2·7	12·8	33·9	50·6	3	82·2	7·2	96·1	9·9	3½	3½

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
		Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
											Opbrengs Yield %	As Ash %	Opbrengs Yield %	As Ash %	Dryfsel Float	
															1·45	1·58
D_2	—	−1	1·45	23·2	—	2·2	32·3	28·5	37·0	—	19·0	8·3	50·5	14·2	2½	2½
D	16	—	—	—	—	2·6	17·3	32·6	47·5	—	67·5	7·3	85·5	10·5	3	3
C_1	—	−1	1·45	41·5	11·9	2·7	16·0	31·6	49·7	2½	76·4	9·3	95·3	14·0	3½	3½
C_2	—	−1	1·45	58·5	—	1·9	45·0	23·4	29·7	—	18·8	10·7	31·4	18·7	—	2
C	55	—	—	—	—	2·0	28·5	24·5	45·0	—	40·8	9·6	54·0	15·5	—	3
B	4	—	—	—	—	2·0	35·6	25·7	36·7	—	31·7	10·0	49·4	18·1	3½	3½
A_1	—	−1	1·45	29·0	12·1	2·5	14·7	34·3	48·5	—	76·1	7·3	92·5	11·7	3	3½
A_2	—	−1	1·45	71·0	—	1·5	45·2	27·3	26·0	—	9·2	9·1	27·5	16·6	—	3
A	37	—	—	—	—	1·8	36·4	29·3	32·5	—	28·6	7·7	46·3	13·8	—	3
P 553 C	20	—	—	—	—	2·4	30·0	29·1	38·5	—	38·2	8·4	62·4	12·6	3	3
B_1	—	−1	1·45	37·3	12·0	2·7	15·4	33·2	48·7	2	72·7	8·2	95·2	10·7	4	4
B_2	—	−1	1·45	62·7	—	1·7	49·7	20·8	27·8	—	7·0	10·0	26·5	16·5	—	1½Ag
B	48	—	—	—	—	2·1	36·9	25·4	35·6	—	31·5	8·5	52·1	12·5	—	3
A	38	—	—	—	—	1·7	42·4	24·9	31·0	—	15·8	7·6	38·0	15·1	—	2
P 554 D_1	—	−1	1·45	60·7	12·3	2·7	12·1	34·9	50·3	2½	80·6	5·9	94·6	9·5	4	3½
D_2	—	−1	1·45	39·3	—	1·9	33·8	28·4	35·9	—	17·4	8·4	45·1	15·4	2½	2
D	17	—	—	—	—	2·4	20·6	32·3	44·7	—	55·8	6·2	75·1	10·9	3½	3
C_1	—	−1	1·45	43·2	11·8	2·3	16·8	33·7	47·2	3	65·7	6·9	87·6	11·8	4½	4
C_2	—	−1	1·45	56·8	—	1·6	37·2	27·9	33·3	—	24·5	10·3	42·7	18·2	3½	2½
C	23	—	—	—	—	1·9	28·4	30·4	39·3	—	42·3	8·0	62·1	14·3	4½	3½
B_1	—	−1	1·45	34·3	12·8	2·9	10·7	32·1	54·3	2½	86·4	5·9	95·4	8·2	4½	4
B_2	—	−1	1·45	65·7	—	1·6	49·9	21·9	26·6	—	13·7	7·3	21·6	11·7	2½	2
B	25	—	—	—	—	2·0	36·5	25·4	36·1	—	38·6	8·6	46·9	8·9	4	3½
A_1	—	−1	1·45	66·7	11·8	2·2	17·4	34·7	45·7	3	68·5	9·5	89·4	12·6	4	2½
A_2	—	−1	1·45	33·3	—	2·1	31·4	29·8	36·7	—	14·5	11·6	58·5	18·6	—	2

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	Dryfsel Float 1·45	Dryfsel Float 1·58
A	18	—	—	—	—	2·2	22·1	33·1	42·6	—	50·5	9·7	79·1	14·1	—	2½
P 555 A_1	—	−1	1·45	38·0	12·5	2·5	12·9	33·9	50·7	2½	81·3	7·1	93·7	9·8	3½	3
A_2	—	−1	1·45	62·0	—	1·7	38·2	28·2	31·9	—	26·5	8·7	38·4	13·8	—	3
A	25	—	—	—	—	2·0	28·6	30·4	39·0	—	47·3	7·6	59·4	11·3	—	3
B	12	—	—	—	—	1·8	27·0	32·0	39·2	—	50·3	8·2	66·3	12·7	4	3
P 556 B_1	—	−1	1·45	48·6	12·9	2·7	10·0	35·5	51·8	2½	90·6	6·4	94·5	7·0	3½	2½
B_2	—	−1	1·45	51·4	—	1·4	52·4	21·9	24·3	—	10·1	7·0	10·9	11·1	—	—
B	39	—	—	—	—	2·0	31·8	28·5	37·7	—	49·2	6·5	51·5	7·3	—	—
A	16	—	—	—	12·4	2·3	13·1	35·3	49·3	—	83·5	7·5	91·4	8·9	3½	3½
P 557 D	64	—	—	—	—	2·0	31·8	21·6	44·6	—	18·5	7·7	39·5	15·6	—	F
B_1C_1	—	−1	1·45	35·1	13·0	2·2	10·1	34·7	53·0	1½Ag	86·7	5·7	93·5	6·7	2½	2
B_2C_2	—	−1	1·45	64·9	—	1·5	39·4	23·4	35·7	—	14·3	8·2	19·0	12·2	—	1Ag
B+C	49	—	—	—	—	1·7	29·1	27·4	41·8	—	39·7	6·3	45·1	8·2	—	—
A	10	—	—	—	—	2·6	34·1	21·6	41·7	—	11·6	8·4	35·0	15·6	—	F
P 600 C_1	—	−1	1·58	60·6	12·2	3·5	12·9	18·9	64·7	—	52·7	4·8	—	—	F	—
C_2	—	−1	1·58	39·4	—	2·5	34·5	21·9	41·1	—	2·4	5·9	—	—	—	—
C	42	—	—	—	—	3·1	21·4	20·1	55·4	—	32·9	4·8	—	—	—	—
B_1	—	−1	1·58	80·7	12·7	3·1	11·1	23·9	61·9	—	66·7	4·8	—	—	1Ag	—
B_2	—	−1	1·58	19·3	—	2·0	40·8	17·2	40·0	—	6·0	6·0	—	—	—	—
B	25	—	—	—	—	2·9	16·8	22·6	57·7	—	55·0	4·8	—	—	—	—
A_1	—	−1	1·58	84·5	12·5	3·4	10·9	19·0	66·7	—	64·2	4·6	—	—	1F	—
A_2	—	−1	1·58	15·5	—	2·9	35·0	20·6	41·5	—	7·8	5·9	—	—	—	—
A	25	—	—	—	—	3·3	14·6	19·2	62·9	—	55·5	4·6	—	—	—	—
P 601 F	30	—	—	—	—	2·2	31·0	19·1	47·7	—	12·6	6·5	—	—	—	—
E	18	—	—	—	10·9	2·3	20·5	19·6	57·6	—	19·9	6·1	—	—	—	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
D	18	—	—	—	—	2·5	27·8	18·1	51·6	—	10·5	7·0	—	—	—	—
C	43	—	—	—	—	2·4	25·5	17·5	54·6	—	9·2	6·9	—	—	—	—
B	39	—	—	—	—	2·2	25·7	19·1	53·0	—	17·6	7·7	—	—	—	—
A_1	—	−1	1·45	62·0	13·2	2·7	8·1	30·4	58·8	1½Ag	83·9	5·2	—	—	1½Ag	—
A_2	—	−1	1·45	38·0	—	3·1	33·9	16·4	46·6	—	16·7	7·1	—	—	—	—
A	46	—	—	—	—	2·9	17·9	25·1	54·1	—	58·3	5·5	—	—	—	—
P 602 E_1	—	−1	1·45	84·6	13·2	3·1	8·1	28·8	60·0	—	91·1	6·1	—	—	1½Ag	—
E_2	—	−1	1·45	15·4	—	2·3	23·0	22·7	52·0	—	31·1	7·3	—	—	1F	—
E	8	—	—	—	—	3·0	10·4	27·9	58·7	—	81·9	6·2	—	—	—	—
D_1	—	−1	1·58	79·1	12·2	2·5	14·3	22·0	61·2	—	49·3	7·5	—	—	1F	—
D_2	—	−1	1·58	20·9	—	1·9	36·4	16·9	44·8	—	6·4	7·9	—	—	—	—
D	65	—	—	—	—	2·4	18·9	20·9	57·8	—	40·3	7·6	—	—	—	—
C_1	—	−1	1·45	45·0	13·2	2·6	8·9	27·2	61·3	—	86·2	6·1	—	—	1½Ag	—
C_2	—	−1	1·45	55·0	11·3	2·3	19·6	22·6	55·5	—	39·6	7·3	—	—	1½Ag	—
C	42	—	—	—	—	2·4	14·8	24·7	58·1	—	60·7	6·5	—	—	1½Ag	—
B_1	—	−1	1·45	60·7	13·1	2·6	9·4	26·3	61·7	—	82·3	7·0	—	—	P	—
B_2	—	−1	1·45—1·58	21·4	11·6	2·2	18·6	21·4	57·8	—	26·9	8·4	—	—	—	—
B_1B_2	—	−1	1·58	82·1	12·7	2·5	11·8	25·0	60·7	—	67·9	7·0	—	—	—	—
B_3	—	−1	1·58	17·9	—	1·5	48·3	23·0	27·2	—	2·5	—	—	—	—	—
B	44	—	—	—	—	2·3	18·3	24·6	54·8	—	56·2	—	—	—	—	—
A	31	—	—	—	—	1·7	34·5	19·3	44·5	—	20·7	9·0	—	—	—	—

BOORGAT 74 : HIEROMTRENT 1359 : BOREHOLE 74

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Grond	4	0	—		Soil.
Moddersteen	77	1	81	1	Mudstone.
Skalie, koolstofhoudend		2	—		Shale, carbonaceous.
Glanskool, gelaag, met 1 dm. skalie 1 dm. van onder af; piriethoudend.	1	10	83	1	**Coal,** bright, banded, with 1 in. shale 1 in. from bottom; pyritic.
Skalie, vaal, met een 6-dm. steenkoollagie naby onderent.	6	8	—		Shale, grey, with one 6-in. coal band near bottom.
Glanskool, gelaag, skalieagtig	1	4	—		**Coal,** bright, banded, shaly.
Skalie, vaal	2	10	—		Shale, grey.
Skalie en steenkool		2	—		Shale and coal.
Glanskool, gelaag, piriethoudend.	1	0	—		**Coal,** bright, banded, pyritic.
Skalie, vaal tot swart		5	—		Shale, grey to black.
Glanskool, gelaag, piriethoudend.		10	—		**Coal,** bright, banded, pyritic.
Skalie, vaal, met piriet		6	—		Shale, grey, with pyrites.
Glanskool, gelaag		6	—		**Coal,** bright, banded.
Skalie hoofsaaklik, met 'n glyvlak by onderent.		10	—		Shale mainly, with a slip plane at bottom.
Glanskool, gelaag		7	—		**Coal,** bright, banded.
Skalie, swart, met glanskoolstrepies by bo-ent.		6	—		Shale, black, with bright coal stringers at top.
Glanskool, gelaag, skalieagtig by bo-ent; piriethoudend.	1	1	100	4	**Coal,** bright, banded, shaly at top; pyritic.
Skalie, vaal	1	5	101	9	Shale, grey.
Glanskool, gelaag, bevat 1 dm. kleiagtige steenkool 2 dm. van onder af.		10	—		**Coal,** bright, banded, contains 1 in. clayey coal 2 in. from bottom.
Skalie, swart, met glanskoolstrepies.		3	—		Shale, black, with bright coal streaks.
Glanskool, gelaag, plek-plek pikagtig.	1	1	—		**Coal,** bright, banded, pitch-like in parts.
Skalie, swart, met 4 dm. glanskool in middel.		11	—		Shale, black, with 4 in. bright coal in middle.
Glanskool, gelaag	1	9	106	7	**Coal,** bright, banded.
Skalie, swart	3	3	109	10	Shale, black.
Glanskool, gelaag, en skalie, met 'n 1-dm. kalsiethoudende lagie by bo-ent; kern gebreek, en gedeelte word vermis; lokale helling van 25° in middel.	1	9	—		**Coal,** bright, banded, and shale, with a 1-in. calcitic band at top; core broken and some missing; local dip of 25° in middle.
Glanskool, gelaag, en koolstofhoudende skalie, met 'n 2-dm. pikagtige laag naby bo-ent.	3	1	—		**Coal,** bright, banded, and carbonaceous shale, with a 2-in. pitch-like band near top.
Skalie, koolstofhoudend, en glanskool; hoofsaaklik skalie; glyvlak by bo- en onderent.	2	8	—		Shale, carbonaceous, and bright coal; mainly shale; slip plane at top and bottom.
Glanskool, gelaag, kalsiethoudend.		5	—		**Coal,** bright, banded, calcitic.
Skalie, swart		5	—		Shale, black.
Glanskool, gelaag, skalieagtig en piriethoudend.	1	7	—		**Coal,** bright, banded, shaly and pyritic.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalielae, koolstofhoudend, en lae van gelaagde glanskool en skalie; glyvlak 3 dm. van onder af.	1	5	122	7	Shale bands, carbonaceous, and bands of banded bright coal and shale; slip plane 3 in. from bottom.
(1 vt. 5 dm. kern word vermis tussen 109 vt. 10 dm. en 122 vt. 7 dm.)					(1 ft. 5 in. core missing between 109 ft. 10 in. and 122 ft. 7 in.)
Skalie	1	6	124	1	Shale
Glanskool, gelaag, kalsiethoudend by bo- en onderent en met enkele pikagtige lagies; 'n 1-dm. skalieagtige lagie by bo-ent.	3	2	—		**Coal,** bright, banded, calcitic at top and bottom and with a few pitch-like bands; a 1-in. shaly band at top.
Skalie, met steenkoollagies ...	1	7	—		Shale, with coal bands.
Skalie en gelaagde glanskool; hoofsaaklik skalie.	2	2	—		Shale and banded bright coal; mainly shale.
Glanskool, gelaag, erg kalsiethoudend by bo-ent en skalieagtig in onderste 3 dm.	3	2	—		**Coal,** bright, banded, very calcitic at top and shaly in bottom 3 in.
Skalie en gelaagde glanskool; hoofsaaklik skalie.	1	8	—		Shale and banded bright coal; mainly shale.
Glanskool, gelaag, plek-plek skalieagtig.	1	7	—		**Coal,** bright, banded, shaly in places.
Glanskool, gelaag		10	—		**Coal,** bright, banded.
Glanskool, gelaag, plek-plek pikagtig; kalsiethoudend naby bo-ent; 2 dm. swart skalie met 'n glyvlak 9 dm. van bo af.	2	3	140	6	**Coal,** bright, banded, pitch-like in parts; calcitic near top; 2 in. black shale with a slip plane 9 in. from top.
Skalie, swart, met enkele dun steenkoollagies.	2	1	142	7	Shale, black, with occasional thin coal bands.
Glanskool, gelaag		8	—		**Coal,** bright, banded.
Skalie, swart	1	9	—		Shale, black.
Glanskool, gelaag, plek-plek piriethoudend en erg kalsiethoudend.	1	1	—		**Coal,** bright, banded, pyritic in places and very calcitic.
Skalie, swart		5	—		Shale, black.
Glanskool, gelaag, kalsiethoudend in middel.		7	—		**Coal,** bright, banded, calcitic in middle.
Skalie, swart		4	—		Shale, black.
Glanskool, gelaag	1	1	148	6	**Coal,** bright, banded.
Skalie, swart	3	2	151	8	Shale, black.
Glanskool, gelaag, pikagtig, skalieagtig na onder.	1	11	—		**Coal,** bright, banded, pitch-like, shaly towards bottom.
Skalie, swart		3	—		Shale, black.
Glanskool, gelaag, met 'n 1-dm. skalieagtige lagie 13 dm. van bo af en 'n 2-dm. skalielagie 8 dm. van onder af; piriethoudend 15 dm. van bo af.	3	6	—		**Coal,** bright, banded, with a 1-in. shaly band 13 in. from top and a 2-in. shale band 8 in. from bottom; pyritic 15 in. from top.
Skalie, swart tot vaal		9	—		Shale, black to grey.
Glanskool, gelaag, erg piriethoudend, plek-plek skalieagtig; glyvlak in middel.	1	10	—		**Coal,** bright, banded, very pyritic, shaly in places; slip plane in middle.
Skalie, swart, en steenkool ...		10	—		Shale, black, and coal.
Glanskool, gelaag, plek-plek skalieagtig; pirietkorrels by onderent.	1	10	162	7	**Coal,** bright, banded, shaly in places; pyritic spotted at bottom.
Steenkool, erg piriethoudend en sideriethoudend.		3	—		**Coal,** very pyritic and sideritic.
Skalie, swart, met 'n paar dun steenkoollagies by bo-ent.	7	6	170	4	Shale, black, with a few thin coal bands at bottom.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Glanskool, gelaag, en skalie ...	1 10	—	**Coal,** bright, banded, and shale.
Skalie, koolstofhoudend	10	173 0	Shale, carbonaceous.
Glanskool, gelaag, met 2 dm. skalie 3 dm. van bo af en ½ dm. moddersteen 14 dm. van bo af; piriethoudend. ...	2 4	175 4	**Coal,** bright, banded, with 2 in. shale 3 in. from top and ½ in. mudstone 14 in. from top; pyritic.
Skalie, met enkele dun steenkoollagies.	2 9	—	Shale, with occasional thin coal bands.
Skalielae, swart, en gelaagde glanskoollae, om die beurt.	3 7	181 8	Shale bands, black, and bands of banded bright coal, alternating.
Glanskool, gelaag, piriethoudend.	1 0	—	**Coal,** bright, banded, pyritic.
Skalie, swart	4	—	Shale, black.
Glanskool, gelaag	5	—	**Coal,** bright, banded.
Skalie, swart	10	—	Shale, black.
Glanskool, gelaag, en skalieagtige steenkool.	1 5	—	**Coal,** bright, banded, and shaly coal.
Glanskool, gelaag, en skalie; boent piriethoudend; 1 dm. swart skalie 11 dm. van onder af.	2 1	—	**Coal,** bright, banded and shale; top pyritic; 1 in. black shale 11 in. from bottom.
Skalie, swart, gaan oor in gelaagde glanskool en skalie.	3 0	—	Shale, black, changes into banded bright coal and shale.
Glanskool, gelaag, en skalie, met 'n 1-dm. pikagtige lagie 3 dm. van onder af; glyvlak naby onderent.	1 2	—	**Coal,** bright, banded, with a 1-in. pitch-like band 3 in. from bottom; slip plane near bottom.
Moddersteen, koolstofhoudend; laag toon helling van 10°.	1 0	—	Mudstone, carbonaceous; band shows dip of 10°.
Glanskool, gelaag, en skalie, met twee 2-dm. swart skalielae 6 dm. en 8 dm. van onder af respektiewelik; piriethoudend na onder; laag toon helling van 10°.	4 4	197 3	**Coal,** bright, banded, and shale, with two 2-in. black shale bands 6 in. and 8 in. from bottom respectively; very pyritic towards bottom; band shows dip of 10°.
Skalie, swart, met twee glanskoollagies; glyvlak in boonste steenkoollagie; laag toon helling van 10°.	1 6	—	Shale, black, with two bright coal bands; slip plane in top coal band; band shows dip of 10°.
Skalielae, swart, en gelaagde glanskool- en skalielae, afwisselend; piriethoudend by boent; glyvlak 2 vt. van bo af; laag toon helling van ongeveer 6° tot 8°.	6 4	205 1	Shale bands, black, and banded bright coal and shale bands, alternating; pyritic at top; slip plane 2 ft. from top; band shows dip of approximately 6° to 8°.
Skalie, swart, met 'n paar steenkoollagies; laag toon helling van 3° tot 5°.	8 9	213 10	Shale, black, with a few coal bands; band shows dip of 3° to 5°.
Glanskool, gelaag, plek-plek skalieagtig; geen helling aangegee deur B.N.I.	1 9	—	**Coal,** bright, banded, shaly in places; no dip given by F.R.I.
Skalie, swart; laag toon helling van 3° tot 5°.	11	—	Shale, black; band shows dip of 3° to 5°.
Glanskool, gelaag, plek-plek skalieagtig; piriet- en sideriethoudend; laag toon helling van ongeveer 3°.	1 7	—	**Coal,** bright, banded, shaly in parts; pyritic and sideritic; band shows dip of approximately 3°.
Skalielae en gelaagde glanskoollae, om die beurt; glyvlakke by bo-ent; geen helling meer sigbaar.	5 11	—	Shale bands and bands of bright, banded coal alternating; slip plane at top; no dip noticeable.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, swart, met enkele dun steenkoollagies.	2	3	—		Shale, black, with occasional thin coal bands.
Glanskool, gelaag, en skalie; 4 dm. koolstofhoudende skalie 2 dm. van onder af.	1	11	—		**Coal,** bright, banded, and shale; 4 in. carbonaceous shale 2 in. from bottom.
Skalie, swart		10	—		Shale, black.
Glanskool, gelaag, plek-plek skalieagtig; erg piriethoudend en baie siderietkorrels veral in onderste helfte.	2	9	231	9	**Coal,** bright, banded, shaly in parts; very pyritic and many siderite pellets especially in bottom half.
Skalielae, breed, en piriethoudende, gelaagde glanskool.	1	3	233	0	Shale bands, broad, and pyritic, banded bright coal.
Skalie, koolstofhoudend, met 4-dm. tot 6-dm. steenkoollagies.	7	10	240	10	Shale, carbonaceous, with 4-in. to 6-in. coal bands.
Skalie, koolstofhoudend, en glanskool.		10	241	8	Shale, carbonaceous, and bright coal.
Glanskool, gelaag, plek-plek skalieagtig.	1	7	—		**Coal,** bright, banded, shaly in parts.
Skalie, koolstofhoudend, met enkele glanskoollae; 1½ dm. moddersteen 6 dm. van onder af.	4	6	—		Shale, carbonaceous, with occasional bright coal bands; 1½ in. mudstone 6 in. from bottom.
Glanskool, gelaag, met twee skalieagtige lae; plek-plek piriethoudend.	1	10	—		**Coal,** bright, banded, with two shaly bands; pyritic in places.
Skalie, koolstofhoudend		6	—		Shale, carbonaceous.
Skalie, swart, met glanskoollagies.		11	—		Shale, black, with bright coal bands.
Glanskool, gelaag, piriethoudend.	1	0	—		**Coal,** bright, banded, pyritic.
Skalie, koolstofhoudend		3	—		Shale, carbonaceous.
Glanskool, gelaag, piriethoudend, met 1 dm. skalie in middel.	1	0	253	3	**Coal,** bright, banded, pyritic, with 1 in. shale in middle.
Skalie, koolstofhoudend, en 'n bietjie steenkoolagtige skalie met enkele 2-dm. tot 6-dm. steenkoollagies.	15	3	268	6	Shale, carbonaceous, and a little coaly shale with occasional 2-in. to 6-in. coal bands.
Skalielae, swart, en gelaagde glanskoollae, om die beurt; glyvlakke naby bo- en onderent.	9	3	—		Shale bands, black, and banded bright coal, alternating; slip planes near top and bottom.
Skalie, koolstofhoudend	3	8	—		Shale, carbonaceous.
Skalielae, koolstofhoudend, en glanskoollae van 3 dm. tot 5 dm. dikte.	2	3	—		Shale bands, carbonaceous, and bright coal bands 3 in. to 5 in. thick.
Skalie, koolstofhoudend	1	2	284	10	Shale, carbonaceous.
Glanskool, gelaag; ½ dm. skalie by bo- en by onderent; kalsiethoudend.		11	—		**Coal,** bright, banded; ½ in. shale at top and at bottom; calcitic.
Skalie, koolstofhoudend	1	1	—		Shale, carbonaceous.
Skalielae, koolstofhoudend, en gelaagde glanskoollae om die beurt.	1	11	—		Shale bands, carbonaceous, and banded bright coal bands, alternating.
Skalie, koolstofhoudend	1	8	—		Shale, carbonaceous.
Glanskool, gelaag, en piriet ...	1	1	291	6	**Coal,** bright, banded, and pyrites.
Skalie, koolstofhoudend, met enkele 2-dm. tot 5-dm. steenkoollagies; steenkoolagtige skalie verskyn na onder; plek-plek piriethoudend.	13	10	—		Shale, carbonaceous, with occasional 2-in. to 5-in. coal bands; coaly shale appears towards bottom; pyritic in places.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, koolstofhoudend, en steenkoolagtige skalie, met slegs enkele glanskoollagies; glyvlak 56 dm. van bo af.	8	8	314	0	Shale, carbonaceous, and coaly shale, with an occasional bright coal bands; slip plane 56 in. from top.
Matkool, swaar		11	—		**Coal,** dull, heavy.
Steenkool; afwisselende lae van hoofsaaklik matkool en gemengde steenkool; plek-plek skalieagtig ; piriethoudend, veral in onderste helfte.	3	4	—		**Coal;** alternating bands of mainly dull coal and mixed coal; shaly in parts; pyritic, especially in bottom half.
Steenkool; hoofsaaklik swaar matkool; ⅛ dm. piriet by boent.	2	0	—		**Coal;** mainly dull heavy coal; ⅛ in. pyrite at top.
Glanskool, gelaag		5	—		**Coal,** bright, banded.
Skalie, koolstofhoudend		3	—		Shale, carbonaceous.
Glanskool, gelaag	1	0	—		**Coal,** bright, banded.
Skalie, koolstofhoudend, met enkele glanskoolstrepies.		3	—		Shale, carbonaceous, with occasional bright coal streaks.
Glanskool, gelaag, piriethoudend.		4	322	6	**Coal,** bright, banded, pyritic.
Skalie, steenkoolagtig, bruin, swart en koolstofhoudend.	21	2	—		Shale, coaly, brown, black and carbonaceous.
Skalie, swart, met vaal kleiagtige strepies; fossieldraend.	3	3	—		Shale, black, with grey clayey streaks; fossiliferous.
Skalielae en lae van hoofsaaklik matkool; piriethoudend.	4	1	—		Shale bands and bands of mainly dull coal; pyritic.
Skalie, ligbruin	2	0	—		Shale, light-brown.
Skalie, vaal plek-plek met 'n ligbruin skynsel.	5	4	—		Shale, grey, with a light-brown tint in parts.
Matkool en skalieagtige steenkool.	1	4	—		**Coal,** dull, and shaly coal.
Skalie, koolstofhoudend, met enkele steenkoolagtige skalielagies.	6	4	366	3	Shale, carbonaceous, with occasional coaly shale bands.
Steenkool; matkoollae en lae van gemengde steenkool, om die beurt; meer glansend na onder; 5 dm. skalie in middel; erg piriet- en kalsiethoudend.	4	10	—		**Coal;** bands of dull coal and bands of mixed coal, alternating; bright towards bottom; 5 in. shale in middle; very pyritic and calcitic.
Skalie, koolstofhoudend	1	1	—		Shale, carbonaceous.
Matkool, glansend, met enkele glanskoolstrepies; ⅛ dm. piriet 13 dm. van onder af.	3	5	—		**Coal,** dull, lustrous, with occasional bright coal stringers; ⅛ in. pyrites 13 in. from bottom.
Steenkool, vuil		2	—		**Coal,** dirty.
Matkool, met enkele glanskoolstrepies.	4	4	—		**Coal,** dull, with occasional bright coal stringers.
Matkool, met glanskoolstrepies; korrelrig in middel waar steenkool neiging het om bros te wees.	3	10	—		**Coal,** dull, with bright coal stringers; granular in middle where coal has a tendency to be brittle.
Steenkool en skalie, gemeng, met twee glyvlakke by onderent.	1	3	—		**Coal** and shale, mixed, with two slip planes at bottom.
Steenkool; hoofsaaklik matkool, met twee 3-dm. lagies hoofsaaklik glanskool; 3 dm. vuil steenkool 24 dm. van bo af; piriethoudend in onderste helfte.	3	10	—		**Coal;** mainly dull coal, with two 3-in. bands of mainly bright coal; 3 in. dirty coal 24 in. from top; pyritic in bottom half.
Steenkool en skalieagtige steenkool.	1	4	—		**Coal** and shaly coal.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Matkool hoofsaaklik	1	3	—		**Coal**; mainly dull.
Matkool hoofsaaklik; erg gesny deur glyvlakke (4 dm. kern word vermis).	2	2	394	1	**Coal**; mainly dull; badly cut by slip planes (4 in. core missing).
Sandsteen, fynkorrelrig, gelaag, mikadraend, vaal tot swart, piriethoudend, met baie glyvlakke in onderste helfte.	7	4	—		Sandstone, fine-grained, laminated, micaceous, grey to black, pyritic, with many slip planes in bottom half.
Sandsteen; afwisselende lae van erg fynkorrelrige, swart, fossieldraende sandsteen en grofkorrelrige, vuilvaal, veldspatiese sandsteen.	2	6	403	11	Sandstone; alternating bands of very fine-grained, black, fossiliferous sandstone and coarse-grained, dirty grey, felspathic sandstone.
Matkool, met 'n klein bietjie glanskool (kern erg gebreek).		7	—		**Coal,** dull, with a little bright coal (core badly broken).
Steenkool, gemeng		11	—		**Coal,** mixed.
Moddersteen		1	—		Mudstone.
Matkool, met enkele glanskoollagies naby onderent; glyvlak in middel.	3	4	—		**Coal,** dull, with occasional bright coal bands near bottom; slip plane in middle.
Steenkool, skalieagtig en kalsiethoudend.		1⅛	—		**Coal,** shaly and calcitic.
Steenkool, gemeng; hoofsaaklik matkool; onderste 1 dm. pikagtig.		7	—		**Coal,** mixed; mainly dull; bottom 1 in. pitch-like.
Matkool, met enkele glanskoolstrepies.	2	1	—		**Coal,** dull, with occasional bright coal stringers.
Moddersteen en skalie		1⅛	—		Mudstone and shale.
Matkool, met enkele glanskoolstrepies; glyvlak by onderent.	1	8	413	5	**Coal,** dull, with occasional bright coal stringers; slip plane at bottom.
Sandsteen, gelaag, fyn- tot middelkorrelrig, effens mikadraend, plek-plek ligvaal tot donkervaal waar gelaag, anders vuilwit tot wit; baie glyvlakke in onderste 12 dm.	21	4	434	9	Sandstone, laminated, fine- to medium-grained, slightly micaceous, light-grey to dark in places where laminated, otherwise dirty white to white; many slip planes in bottom 12 in.
Steenkool, gebrokkel, met enkele glyvlakke; laagvlakke maak 'n hoek van ongeveer 60° met horisontaal.	±2	0	436	9	**Coal,** crumbled, with occasional slip planes; cleavage planes make an angle of approximately 60° with the horizontal.
Sandsteen, swart, skalieagtig; bevat glyvlakke.	1	2	—		Sandstone, black, shaly; contains slip planes.
Sandsteen, swart en vaal, plekplek mikadraend en skalieagtig; vol glyvlakke wat 'n hoek van 45° met horisontaal maak.	7	1	445	0	Sandstone, black and grey, micaceous and shaly in places; full of slip planes making an angle of 45° with horizontal.

BOORGAT 74 : HIEROMTRENT 1359 : BOREHOLE 74

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 558	N.G.	2	81 3	N.S.
D	**Glanskool**, gelaag, met 1 dm. skalie 1 dm. van onder af; piriethoudend.	22	—	**Coal**, bright, banded, with 1 in. shale 1 in. from bottom; pyritic.
	N.G.	80	—	N.S.
C	**Glanskool**, gelaag, skalieagtig.	16	—	**Coal**, bright, banded, shaly.
	N.G.	36	—	N.S.
B	**Glanskool**, gelaag, piriethoudend.	12	—	**Coal**, bright, banded, pyritic.
	N.G.	5	—	N.S.
	Glanskool, gelaag, piriethoudend.	10	—	**Coal**, bright, banded, pyritic.
	N.G.	6	—	N.S.
	Glanskool, gelaag ...	6	—	**Coal**, bright, banded.
	N.G.	10	—	N.S.
A	**Glanskool**, gelaag ...	7	—	**Coal**, bright, banded.
	Skalie, swart, met glanskoolstrepies by bo-ent.	6	—	Shale, black, with bright coal stringers at top.
	Glanskool, gelaag, skalieagtig by bo-ent; piriethoudend.	13	100 4	**Coal**, bright, banded, shaly at top; pyritic.
P 559	N.G.	17	101 9	N.S.
B	**Glanskool**, gelaag, bevat 'n 1-dm. kleiagtige steenkoollagie 2 dm. van onder af.	10	—	**Coal**, bright, banded, contains a 1-in. clayey coal band 2 in. from bottom.
	Skalie, swart, met glanskoolstrepies.	3	—	Shale, black, with bright coal stringers.
	Glanskool, gelaag, plekplek pikagtig.	13	—	**Coal**, bright, banded, pitchlike in places.
	N.G.	11	—	N.S.
A	**Glanskool**, gelaag ...	21	106 7	**Coal**, bright, banded.
P 560	N.G.	39	109 10	N.S.
C	**Glanskool**, gelaag, en skalie, met 'n 1-dm. kalsiethoudende lagie by bo-ent; kern gebreek en gedeelte word vermis (lokale helling van 25° in die middel).	21	—	**Coal**, bright, banded, and shale, with a 1-in. calcitic band at top; core broken and portion missing (local dip of 25° in middle).
B	**Glanskool**, gelaag, en koolstofhoudende skalie, met 'n 2-dm. pikagtige laag naby bo-ent.	37	—	**Coal**, bright, banded, and carbonaceous shale, with a 2-in. pitchlike band at top.
	N.G.	32	—	N.S.
A	**Glanskool**, gelaag, kalsiethoudend.	5	—	**Coal**, bright, banded, calcitic.
	N.G.	5	—	N.S.
	Glanskool, gelaag, skalieagtig en piriethoudend.	19	—	**Coal**, bright, banded, shaly and pyritic.
	N.G. ... ... (1 vt. 5 dm. kernverlies tussen 109 vt. 10 dm. en 122 vt. 7 dm.)	17	122 7	N.S. (1 ft. 5 in. core missing between 109 ft. 10 in. and 122 ft. 7 in.)

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 561	N.G.	18	124 1	N.S.
D	Glanskool, gelaag, kalsiethoudend by bo- en onderent, met enkele pikagtige lagies; 'n 1-dm. skalieagtige lagie by bo-ent.	38	—	Coal, bright, banded, calcitic at top and bottom, with occasional pitch-like bands; a 1-in. shaly band at top.
	N.G.	19	—	N.S.
	N.G.	26	—	N.S.
C	Glanskool, gelaag, erg kalsiethoudend by bo-ent en skalieagtig in onderste 3 dm.	38	—	Coal, bright, banded, very calcitic at top and shaly in bottom 3 in.
	N.G.	20	—	N.S.
B	Glanskool, gelaag, plek-plek skalieagtig.	19	—	Coal, bright, banded, shaly in places.
A	Glanskool, gelaag ...	10	—	Coal, bright, banded.
	Glanskool, gelaag, plek-plek pikagtig; kalsiethoudend naby bo-ent; 2 dm. swart skalie met 'n glyvlak 9 dm. van bo af.	27	140 6	Coal, bright, banded, pitch-like in places; calcitic near top; 2 in. black shale with a slip plane 9 in. from top.
P 562	N.G.	25	142 7	N.S.
B	Glanskool, gelaag ...	8	—	Coal, bright, banded.
	N.G.	21	—	N.S.
A	Glanskool, gelaag, plek-plek piriethoudend en erg skalieagtig.	13	—	Coal, bright, banded, pyritic and very shaly in places.
	Skalie, swart	5	—	Shale, black.
	Glanskool, gelaag, kalsiethoudend in middel.	7	—	Coal, bright, banded, calcitic in middle.
	Skalie, swart	4	—	Shale, black.
	Glanskool, gelaag ...	13	148 6	Coal, bright, banded.
P 563	N.G.	38	151 8	N.S.
D	Glanskool, gelaag, pikagtig, skalieagtig na onder.	23	—	Coal, bright, banded, pitch-like, shaly towards bottom.
	N.G.	3	—	N.S.
C	Glanskool, gelaag, met 'n 1-dm. skalieagtige lagie 13 dm. van bo af en 'n ½-dm. skalielagie 8 dm. van onder af; piriethoudend 15 dm. van bo af.	42	—	Coal, bright, banded, with a 1-in. shaly band 13 in. from top and a ½-in. shale band 8 in. from bottom; pyritic 15 in. from top.
	N.G.	9	—	N.S.
B	Glanskool, gelaag, erg piriethoudend, plek-plek skalieagtig; glyvlak in middel.	22	—	Coal, bright, banded, very pyritic, shaly in places; slip plane in middle.
	N.G.	10	—	N.S.
A	Glanskool, gelaag, plek-plek skalieagtig; pirietkorrels by onderent.	22	162 7	Coal, bright, banded, shaly in parts; pyrite spotted at bottom.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. In.	*Vt. Dm. Ft. In.*	
P 564	N.G.	10	173 0	N.S.
A	**Glanskool**, gelaag, met 2 dm. skalie 3 dm. van bo af en ½ dm. moddersteen 14 dm. van bo af; piriethoudend.	28	175 4	**Coal**, bright, banded, with 2 in. shale 3 in. from top and ½ in. mudstone 14 in. from top; pyritic.
P 565	N.G.	43	181 8	N.S.
D	**Glanskool**, gelaag, piriethoudend.	12	—	**Coal**, bright, banded, pyritic.
	N.G.	4	—	N.S.
	Glanskool, gelaag ...	5	—	**Coal**, bright, banded.
	N.G.	10	—	N.S.
C	**Glanskool**, gelaag, en skalieagtige steenkool.	17	—	**Coal**, bright, banded, and shaly coal.
	Glanskool, gelaag, en skalie; bo-ent is piriethoudend; 1 dm. swart skalie 11 dm. van onder af.	25	—	**Coal**, bright, banded, and shale; top is pyritic; 1 in. black shale 11 in. from bottom.
	N.G.	36	—	N.S.
B	**Glanskool**, gelaag, en skalie, met 'n 1-dm. pikagtige lagie 3 dm. van onder af; glyvlak naby onderent.	14	—	**Coal**, bright, banded, and shale, with a 1-in. pitch-like band 3 in. from bottom; slip plane near bottom.
	N.G. (lagie toon 'n helling van 10°).	12	—	N.S. (band shows a dip of 10°).
A	**Glanskool**, gelaag, en skalie, met twee 2-dm. swart skalielae 6 dm. en 8 dm. van onder af respektiewelik; erg piriethoudend na onder (laag toon 'n helling van 10°).	52	197 3	**Coal**, bright, banded, and shale, with two 2-in. black shale bands 6 in. and 8 in. from bottom respectively; very pyritic towards bottom (band shows a dip of 10°).
P 566	N.G. (laag toon 'n helling van 3° tot 5°).	105	213 10	N.S. (band shows a dip of 3° to 5°).
B	**Glanskool**, gelaag, plek-plek skalieagtig (geen helling aangegee deur B.N.I.).	21	—	**Coal**, bright, banded, shaly in parts (no dip given by F.R.I.).
	N.G. (laag toon 'n helling van 3° tot 5°).	11	—	N.S. (band shows a dip of 3° to 5°).
	Glanskool, gelaag, plek-plek skalieagtig; piriet- en sideriethoudend (laag toon 'n helling van ongeveer 3°).	19	—	**Coal**, bright, banded, shaly in parts, pyritic and sideritic (band shows a dip of about 3°).
	N.G. (geen helling meer).	71	—	N.S. (no dip).
	N.G.	27	—	N.S.
A	**Glanskool**, gelaag, en skalie, met 'n 4-dm. koolstofhoudende skalielagie 2 dm. van onder af.	23	—	**Coal**, bright, banded, and shale, with a 4-in. carbonaceous shale band 2 in. from bottom.
	N.G.	10	—	N.S.
	Glanskool, gelaag, plek-plek skalieagtig, erg piriethoudend en met baie sideriet korrels veral in onderste helfte.	33	231 9	**Coal**, bright, banded, shaly in places, very pyritic and with many siderite pellets especially in bottom half.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
P 567	N.G.	10	241 8	N.S.
C	**Glanskool**, gelaag, plek-plek skalieagtig.	19	—	**Coal**, bright, banded, shaly in places.
	N.G.	54	—	N.S.
B	**Glanskool**, gelaag, met twee skalieagtige lae; plek-plek piriethoudend.	22	—	**Coal**, bright, banded, with two shaly bands; pyritic in places.
	N.G.	6	—	N.S.
	N.G.	11	—	N.S.
A	**Glanskool**, gelaag, piriethoudend.	12	—	**Coal**, bright, banded, pyritic.
	Skalie, koolstofhoudend.	3	—	Shale, carbonaceous.
	Glanskool, gelaag, piriethoudend en 1 dm. skalie in middel.	12	253 3	**Coal**, bright, banded, pyritic and 1 in. shale in middle.
P 568	N.G.	14	284 10	N.S.
B	**Glanskool**, gelaag, met ½ dm. skalie by bo- en by onderent; kalsiethoudend.	11	—	**Coal**, bright, banded, with ½ in. shale at top and at bottom; calcitic.
	N.G.	13	—	N.S.
	N.G.	23	—	N.S.
	N.G.	20	—	N.S.
A	**Glanskool**, gelaag, en piriethoudend.	13	291 6	**Coal**, bright, banded and pyritic.
P 569	N.G.	104	314 0	N.S.
C	**Matkool**, swaar	11	—	**Coal**, dull, heavy.
	Steenkool; afwisselende lae van hoofsaaklik matkool en gemengde steenkool; plek-plek skalieagtig; piriethoudend, veral in onderste helfte.	40	—	**Coal**; alternating bands of mainly dull coal and mixed coal; shaly in places; pyritic especially in bottom half.
B	**Steenkool**; hoofsaaklik swaar matkool; 'n ½-dm. pirietlagie by bo-ent.	24	—	**Coal**; mainly dull, heavy coal; a ½-in. pyritic band at top.
A	**Glanskool**, gelaag ...	5	—	**Coal**, bright, banded.
	Skalie, koolstofhoudend	3	—	Shale, carbonaceous.
	Glanskool, gelaag ...	12	—	**Coal**, bright, banded.
	Skalie, koolstofhoudend, met enkele glanskoolstrepies.	3	—	Shale, carbonaceous, with occasional bright coal stringers.
	Glanskool, gelaag, piriethoudend.	4	322 6	**Coal**, bright, banded, pyritic.
P 598	N.G.	76	366 3	N.S.
J	**Steenkool**; matkoollae en lae van gemengde steenkool, om die beurt; meer glansend na onder; 'n 5-dm. skalielaag in middel; erg piriet- en kalsiethoudend.	58	—	**Coal**; bands of dull coal and mixed coal, alternating; brighter towards bottom; a 5-in. shale band in middle; very pyritic and calcitic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. In.	*Vt. Dm. Ft. In.*	
	N.G.	13	—	N.S.
H	**Matkool**, glansend, met enkele glanskoolstrepies; 'n ⅛-dm. pirietlaag 13 dm. van onder af.	41	—	**Coal**, dull, lustrous, with occasional bright coal stringers; a ⅛-in. pyrite band 13 in. from bottom.
	N.G.	2	—	N.S.
G	**Matkool**, met enkele glanskoolstrepies.	52	—	**Coal**, dull, with occasional bright coal stringers.
F	**Matkool**, met glanskoolstrepies; korrelrig in middel waar steenkool 'n neiging het om bros te wees.	46	—	**Coal**, dull, with bright coal stringers; granular in middle where coal has a tendency to be brittle.
E	**Steenkool** en skalie, gemeng, met twee glyvlakke by onderent.	15	—	**Coal** and shale, mixed, with two slip planes at bottom.
D	**Steenkool**; hoofsaaklik matkool, met twee 3-dm. lagies hoofsaaklik glanskool; 3 dm. vuil steenkool 24 dm. van bo af; piriethoudend in onderste helfte.	46	—	**Coal**; mainly dull coal, with two 3-in. bands of mainly bright coal; 3 in. dirty coal 24 in. from top; pyritic in bottom half.
C	**Steenkool** en skalieagtige steenkool.	16	—	**Coal**, and shaly coal.
B	**Matkool** hoofsaaklik ...	15	—	**Coal**, mainly dull.
A	**Matkool** hoofsaaklik; erg gesny deur glyvlakke (4 dm. kern word vermis).	26	394 1	**Coal**, mainly dull; badly cut by slip planes (4 in. core missing).
P 599	N.G.	30	403 11	N.S.
F	**Matkool**, met 'n klein bietjie glanskool (kern erg gebreek).	7	—	**Coal**, dull, with a little bright coal (core badly broken).
E	**Steenkool**, gemeng ...	11	—	**Coal**, mixed.
	N.G.	1	—	N.S.
D	**Matkool**, met enkele glanskoollagies naby onderent; glyvlak in middel.	40	—	**Coal**, dull, with occasional bright coal bands near bottom; slip plane in middle.
	N.G.	1½	—	N.S.
C	**Steenkool**, gemeng; hoofsaaklik matkool; onderste helfte pikagtig.	7	—	**Coal**, mixed; mainly dull coal; bottom half pitch-like.
	Matkool, met enkele glanskoolstrepies.	25	—	**Coal**, dull, with occasional bright coal stringers.
	N.G.	1½	—	N.S.
B	**Matkool**, met enkele glanskoolstrepies; glyvlak by onderent.	20	—	**Coal**, dull, with occasional bright coal stringers; slip plane at bottom.
	N.G.	256	434 9	N.S.
A	**Steenkool**, gebrokkel; met enkele glyvlakke (laagvlakke maak 'n hoek van ongeveer 60° met horisontaal).	±24	436 9	**Coal**, crumbled, with occasional slip planes (cleavage planes make an angle of approixmately 60° with horizontal).

BOORGAT 74 : HIEROMTRENT 1359 : BOREHOLE 74

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
											Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	Dryfsel Float	
															1·45	1·58
P 558 D_1	—	−1	1·45	47·2	12·1	2·1	17·0	36·0	44·9	4½	72·0	10·6	93·8	14·1	4	3
D_2	—	−1	1·45	52·8	—	1·6	38·0	27·4	33·0	—	15·0	11·2	38·3	18·8	4	4
D	22	—	—	—	—	1·8	28·1	31·5	38·6	—	41·9	10·7	64·5	15·6	4	3½
C	16	—	—	—	11·1	2·1	23·4	30·4	44·1	—	54·0	9·7	78·2	15·4	4½	4
B_1	—	−1	1·45	40·7	11·9	2·6	16·9	32·6	47·9	4	72·4	9·9	93·7	14·4	5½	3
B_2	—	−1	1·45	59·3	—	1·3	35·5	27·2	36·0	—	19·5	11·4	46·6	20·7	3	2½
B	28	—	—	—	—	1·8	27·9	29·4	40·9	—	41·0	10·3	65·8	17·0	5	3
A_1	—	−1	1·45	47·0	12·3	2·4	14·9	32·2	50·5	3½	75·1	8·1	92·7	11·8	4	3
A_2	—	−1	1·45	53·0	—	1·9	37·8	24·3	36·0	—	24·0	10·0	38·4	17·5	3½	3
A	26	—	—	—	—	2·1	27·0	28·0	42·9	—	48·0	8·6	63·9	13·6	4	3
P 559 B_1	—	−1	1·45	54·7	12·1	2·5	15·6	32·7	49·2	4½	72·8	7·8	91·5	11·7	4½	4
B_2	—	−1	1·45	45·3	—	1·9	48·5	22·2	27·4	—	15·6	9·0	29·8	16·1	4	3
B	26	—	—	—	—	2·2	30·5	27·9	39·4	—	46·9	8·0	63·5	12·6	4½	4
A_1	—	−1	1·45	84·8	12·2	2·4	16·0	33·8	47·8	4	78·0	10·3	95·2	13·9	4½	4
A_2	—	−1	1·45	15·2	—	2·1	35·7	25·4	36·8	—	16·9	11·6	45·4	20·6	3½	2½
A	21	—	—	—	—	2·4	19·0	32·5	46·1	—	68·7	10·3	87·6	14·4	4½	3½
P 560 C	21	—	—	—	—	1·7	45·7	23·4	29·2	—	17·5	9·5	30·0	17·5	4½	3
B_1	—	−1	1·45	28·6	12·5	2·4	12·8	32·8	52·0	4	78·1	4·8	89·0	7·7	4	3½
B_2	—	−1	1·45	71·4	—	1·7	44·5	22·8	31·0	—	22·6	8·5	35·0	16·5	4	2½
B	37	—	—	—	—	1·9	35·4	25·7	37·0	—	38·5	6·4	50·4	12·1	4	3
A_1	—	−1	1·45	65·5	12·3	2·4	15·2	34·4	48·0	4½	75·2	7·9	90·5	11·4	4½	4
A_2	—	−1	1·45	34·5	—	1·8	38·4	24·5	35·3	—	23·5	9·4	42·7	16·4	3	2½
A	24	—	—	—	—	2·2	23·2	31·0	43·6	—	57·4	8·1	74·0	12·4	4½	3½
P 561 D_1	—	−1	1·45	71·0	12·4	2·1	15·4	34·6	47·9	5	77·5	9·4	93·2	12·8	5½	4½
D_2	—	−1	1·45	29·0	—	1·7	30·4	29·8	38·1	—	34·3	11·0	58·4	18·3	5	4

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
D	37	—	—	—	—	2·0	19·8	33·2	45·0	—	65·0	9·6	83·1	17·3	5½	4½
C_1	—	−1	1·45	53·3	12·3	2·3	15·2	34·1	48·4	5	76·2	8·1	91·9	11·3	4½	4
C_2	—	−1	1·45	46·7	—	1·9	35·2	33·7	29·2	—	17·1	8·4	41·5	15·6	3½	3½
C	38	—	—	—	—	2·1	24·5	33·9	39·5	—	54·3	8·2	68·4	12·5	4½	4
B_1	—	−1	1·45	34·3	12·1	2·1	15·9	34·2	47·8	5	74·3	8·0	90·4	11·3	4	3½
B_2	—	−1	1·45	65·7	—	1·9	40·6	23·7	33·8	—	25·1	8·3	38·0	15·1	4	3
B	19	—	—	—	—	2·0	32·1	27·3	38·6	—	42·0	8·1	60·0	13·0	4	3½
A_1	—	−1	1·45	66·9	12·5	2·1	14·0	34·3	49·6	4½	81·5	7·6	91·9	9·9	4	3½
A_2	—	−1	1·45	33·1	—	1·3	44·0	24·5	30·2	—	18·1	—	34·2	13·4	4	2½
A	37	—	—	—	—	1·8	23·9	31·1	43·2	—	60·5	—	72·8	10·4	4	3½
P 562 B	8	—	—	—	—	2·3	18·7	33·3	45·7	—	—	—	—	—	—	—
A_1	—	−1	1·45	49·7	—	2·2	14·7	33·9	49·2	4	75·6	7·3	89·7	10·2	5	4½
A_2	—	−1	1·45	50·3	—	1·3	57·0	18·3	23·4	—	13·0	9·8	17·9	14·9	3	3
A	42	—	—	—	—	1·7	36·0	26·1	36·2	—	44·1	7·8	53·6	11·3	5	4½
P 563 D_1	—	−1	1·45	73·7	12·5	2·4	14·1	33·7	49·8	4½	78·1	7·7	92·9	11·3	4½	4½
D_2	—	−1	1·45	26·3	—	1·8	36·6	26·2	35·4	—	23·9	9·3	43·1	16·3	3½	3
D	23	—	—	—	—	2·2	20·0	31·7	46·1	—	63·8	7·9	79·5	12·0	4½	4
C_1	—	−1	1·45	66·4	12·5	2·3	13·3	33·4	51·0	4½	76·7	7·1	92·0	9·7	5	4
C_2	—	−1	1·45	33·6	—	1·9	34·6	27·0	36·5	—	29·3	9·0	49·9	15·7	3½	3
C	42	—	—	—	—	2·2	20·5	31·2	46·1	—	60·8	7·4	77·9	11·0	4½	4
B_1	—	−1	1·45	54·8	12·8	2·6	14·3	33·6	49·5	4	76·4	7·3	90·7	11·8	5	4½
B_2	—	−1	1·45	45·2	—	1·4	41·9	25·2	31·5	—	14·5	9·2	28·8	14·5	3½	2½
B	22	—	—	—	—	2·1	26·8	29·8	41·3	—	48·4	7·6	62·7	11·6	4½	4
A_1	—	−1	1·45	55·1	12·5	2·3	15·2	34·8	47·7	4½	74·4	7·9	90·1	11·0	5	4½
A_2	—	−1	1·45	44·9	—	2·2	27·6	29·2	41·0	—	39·0	9·0	59·9	16·2	4½	4

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45 Op-brengs Yield %	Dryfsel, 1·45 Float, 1·45 As Ash %	Dryfsel, 1·58 Float, 1·58 Op-brengs Yield %	Dryfsel, 1·58 Float, 1·58 As Ash %	Sw.-syfer Swelling number Dryfsel Float 1·45	Sw.-syfer Swelling number Dryfsel Float 1·58
A	22	—	—	—	—	2·3	20·8	32·3	44·6	—	58·5	8·5	76·5	12·8	5	4½
P 564 A	28	—	—	—	—	1·9	34·4	25·9	37·8	—	29·7	8·2	45·7	13·5	5	4
P 565 D₁	—	−1	1·45	52·6	—	2·3	15·3	33·4	49·0	4	73·6	7·4	89·3	10·3	4½	4
D₂	—	−1	1·45	47·4	—	1·7	38·1	25·7	34·5	—	20·8	8·6	30·8	14·3	3	2½
D	17	—	—	—	—	2·0	26·1	29·8	42·1	—	48·6	7·6	61·3	11·2	4	3½
C₁	—	−1	1·45	33·8	—	2·4	14·6	32·0	51·0	4½	74·0	6·5	89·3	10·3	5½	4½
C₂	—	−1	1·45	66·2	—	1·7	39·5	23·4	35·4	—	21·8	9·2	38·9	15·1	3	3
C	42	—	—	—	—	1·9	31·1	26·3	40·1	—	39·4	7·5	55·9	12·5	4½	4
B	14	—	—	—	—	2·0	27·1	27·9	43·0	2½	41·9	8·2	62·7	14·0	4½	4
A₁	—	−1	1·45	25·5	—	2·4	13·6	32·8	51·2	4½	74·8	6·2	89·9	10·0	5	4
A₂	—	−1	1·45 −1·58	22·3	—	2·0	27·3	28·2	42·5	—	37·5	8·9	60·2	14·6	4½	3½
A₁A₂	—	−1	1·58	47·8	—	2·2	20·0	30·7	47·1	—	—	—	—	—	—	—
A₃	—	−1	1·58	52·2	—	1·6	49·6	19·6	29·2	—	7·2	8·2	15·6	13·9	—	—
A	52	—	—	—	—	1·9	35·4	24·9	37·8	—	31·2	7·2	44·5	12·1	—	—
P 566 B₁	—	−1	1·45	36·6	—	2·2	14·8	32·5	50·5	5	73·4	6·8	90·2	10·9	4½	3½
B₂	—	−1	1·45	63·4	—	1·7	36·6	25·7	36·0	—	19·0	8·4	25·6	13·4	5	4
B	40	—	—	—	—	1·9	28·6	28·2	41·3	—	38·9	7·3	49·2	11·7	4½	3½
A₁	—	−1	1·45	55·2	—	2·3	13·1	33·9	50·7	5	76·3	6·9	92·4	10·4	5	4½
A₂	—	−1	1·45	44·8	—	1·6	36·1	27·4	34·9	—	15·9	8·1	23·4	14·8	3½	2½
A	56	—	—	—	—	2·0	23·4	31·4	43·6	—	49·2	7·1	61·5	11·1	4½	4
P 567 C₁	—	−1	1·45	62·1	—	2·0	15·0	34·0	49·0	5½	73·4	7·4	91·3	11·4	6½	5
C₂	—	−1	1·45	37·9	—	1·7	32·2	27·5	38·6	—	26·6	10·4	55·6	18·6	5½	3½
C	19	—	—	—	—	1·9	21·5	31·5	45·1	—	55·7	7·9	77·8	13·4	6½	4½
B₁	—	−1	1·45	55·8	—	2·3	12·3	33·6	51·8	6	82·4	6·8	91·9	8·9	6½	6
B₂	—	−1	1·45	44·2	—	1·7	38·7	25·3	34·3	—	15·3	8·2	21·9	16·8	4½	3

No. van B.N.I.-monster F.R.I. sample no.		Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
												Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
																Dryfsel Float	
			Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
	B	22	—	—	—	—	2·0	24·0	29·9	44·1	—	52·7	7·0	61·0	10·2	6	5
	A_1	—	−1	1·45	48·4	—	2·1	13·4	33·9	50·6	5½	79·5	7·1	90·1	9·2	5½	4½
	A_2	—	−1	1·45	51·6	—	1·5	37·8	26·7	34·0	—	19·7	8·4	31·7	12·9	4½	3½
	A	27	—	—	—	—	1·8	26·0	30·2	42·0	—	48·6	7·4	50·0	10·2	5	4
P 568	B	11	—	—	—	—	1·9	21·1	31·1	45·9	—	65·6	7·8	73·5	9·0	5	4½
	A	13	—	—	—	—	1·8	23·4	29·2	45·6	—	56·6	8·5	72·1	12·5	5	3
P 569	C	51	—	—	—	—	2·4	28·8	23·1	45·7	—	26·7	10·3	50·6	15·6	2	1Ag
	B	24	—	—	—	—	1·6	36·7	21·6	40·1	—	—	—	—	—	—	—
	A_1	—	−1	1·45	54·7	—	2·1	8·0	34·0	55·9	4	91·6	5·1	96·9	6·1	6	4
	A_2	—	−1	1·45	45·3	—	1·6	39·8	22·1	36·5	—	10·5	7·2	21·6	14·1	3	1Ag
	A	27	—	—	—	—	1·9	22·4	28·6	47·1	—	54·9	5·3	62·8	7·3	5	—
P 598	J	58	—	—	—	—	2·1	33·3	20·1	44·5	—	20·5	5·6	—	—	1Ag	—
	H	41	—	—	—	—	2·4	26·7	16·4	54·5	—	23·6	5·4	—	—	F	—
	G_1	—	−1	1·58	97·0	13·0	3·0	9·5	20·3	67·2	P	77·7	6·4	—	—	P	—
	G_2	—	−1	1·58	3·0	—	2·0	46·5	18·1	33·4	—	3·6	3·6	—	—	—	—
	G	52	—	—	—	—	3·0	10·6	20·2	66·2	—	75·5	4·8	—	—	—	—
	F_1	—	−1	1·58	92·6	13·0	2·8	10·1	18·4	68·7	2	69·0	4·9	—	—	F	—
	F_2	—	−1	1·58	7·4	—	2·0	41·2	19·0	37·8	—	4·0	10·4	—	—	—	—
	F	46	—	—	—	—	2·7	12·4	18·4	66·5	—	64·2	4·9	—	—	—	—
	E	15	—	—	—	—	2·0	35·3	21·8	40·9	—	22·1	4·3	—	—	F	—
	D_1	—	−1	1·58	76·1	12·2	2·5	14·8	20·6	62·1	—	48·4	6·8	—	—	F	—
	D_2	—	−1	1·58	23·9	—	2·1	35·2	22·5	40·2	—	5·9	6·5	—	—	—	—
	D	46	—	—	—	—	2·4	19·7	21·1	56·8	—	38·2	6·8	—	—	—	—
	C	16	—	—	—	—	1·8	28·5	18·7	51·0	—	21·0	5·7	—	—	1Ag	—
	B_1	—	−1	1·45	33·3	12·5	3·1	12·3	21·7	62·9	—	61·2	7·7	—	—	F	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
B_2	—	−1	1·45 —1·58	46·3	11·3	2·3	20·5	19·1	58·1	—	19·2	7·7	—	—	F	—
B_1B_2	—	−1	1·58	79·6	11·8	2·6	17·1	20·2	60·1	—	—	—	—	—	—	—
B_3	—	−1	1·58	20·4	—	1·3	49·7	20·8	29·2	—	1·6	8·0	—	—	—	—
B	15	—	—	—	—	2·4	23·7	20·3	53·6	—	29·6	7·8	—	—	—	—
A_1	—	−1	1·45	50·0	13·0	2·7	9·8	20·5	67·0	—	69·2	6·1	—	—	F	—
A_2	—	−1	1·45 —1·58	31·5	11·6	2·2	18·0	18·1	61·7	—	3·8	—	—	—	—	—
A_1A_2	—	−1	1·58	81·5	12·5	2·0	13·0	19·6	65·4	—	—	—	—	—	—	—
A_3	—	−1	1·58	18·5	—	1·5	41·4	18·4	38·7	—	4·8	8·8	—	—	—	—
A	26	—	—	—	—	2·3	18·2	19·4	60·1	—	36·7	—	—	—	—	—
P 599 F	7	—	—	—	12·7	2·2	13·1	21·5	63·2	—	66·9	6·1	—	—	F	—
E	11	—	—	—	12·8	2·7	12·3	28·0	57·0	—	77·6	5·6	—	—	2	—
D_1	—	−1	1·58	74·4	12·1	2·3	15·8	19·1	62·8	—	36·4	7·4	—	—	F	—
D_2	—	−1	1·58	25·6	—	1·7	40·0	16·3	42·0	—	2·6	7·6	—	—	—	—
D	40	—	—	—	—	2·1	22·0	18·4	57·5	—	27·7	7·4	—	—	—	—
C_1	—	−1	1·58	82·4	12·7	2·4	12·5	22·9	62·2	—	67·6	6·4	—	—	1Ag	—
C_2	—	−1	1·58	17·6	—	1·9	35·4	19·3	43·4	—	6·7	6·9	—	—	—	—
C	32	—	—	—	—	2·3	16·5	22·3	58·9	—	56·8	6·4	—	—	—	—
B_1	—	−1	1·58	61·8	12·2	2·2	15·4	21·2	61·2	—	42·9	7·1	—	—	1Ag	—
B_2	—	−1	1·58	38·2	—	1·8	37·1	16·8	44·3	—	7·0	7·1	—	—	—	—
B	20	—	—	—	—	2·0	23·7	19·5	54·8	—	29·2	7·1	—	—	—	—
A_1	—	−1	1·58	86·2	13·1	2·6	10·5	21·9	65·0	—	72·3	5·8	—	—	F	—
A_2	—	−1	1·58	13·8	—	1·1	72·1	13·1	13·7	—	1·5	6·0	—	—	—	—
A	24	—	—	—	—	2·4	19·0	20·7	57·9	—	62·5	5·8	—	—	—	—

BOORGAT 75 : VAALPENSLOOP 722 : BOREHOLE 75

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Sand en grond	5 0	—	Sand and soil.
Moddersteen? (stampboor) ...	102 0	107 0	Mudstone? (jumper drill).
Skalie, swart, met steenkoollae.	24 10	135 10	Shale, black, with coal bands.
Glanskool, gelaag, en skalie ...	2 0	—	**Coal,** bright, banded, and shale.
Skalie, koolstofhoudend	2 8	—	Shale, carbonaceous.
Skalie en dungelaagde glanskool; hoofsaaklik skalie.	3 1	—	Shale and thinly banded bright coal; mainly shale.
Glanskool, dungelaag, en skalie; piriethoudend by bo-ent; erg sideriethoudend veral in onderste 9 dm.	3 0	—	**Coal,** bright, thinly banded, and shale; pyritic at top; very sideritic especially in bottom 9 in.
Skalie, swart, en heelwat 1-dm. tot 6-dm. steenkoollagies.	14 6	—	Shale, black, and a good many 1-in. to 6-in. coal bands.
Steenkool; hoofsaaklik glanskool met 'n paar skalielagies naby bo-ent; sideriet-, piriet- en kalsiethoudend.	2 2	163 3	**Coal;** mainly bright coal, with a few shale bands near top; sideritic, pyritic and calcitic.
Skalie, koolstofhoudend, met enkele 1-dm. tot 4-dm. steenkoollagies.	12 1	175 4	Shale, carbonaceous, with occasional 1-in. to 4-in. coal bands.
Glanskool, dungelaag, en skalie; sideriethoudend.	2 10	—	**Coal,** bright, thinly banded, and shale; pyritic.
Skalie, met vyf 1-dm. tot 6-dm. steenkoollagies.	7 6	185 8	Shale, with five 1-in. to 6-in. coal bands.
Glanskool en koolstofhoudende skalie, in afwisselende breë lae; glyvlak by bo-ent; 2 dm. vaal skalie 6 dm. van onder af.	3 0	—	**Coal,** bright, and carbonaceous shale, in alternating broad bands; slip plane at top; 2 in. grey shale 6 in. from bottom.
Skalie, koolstofhoudend, met enkele 1-dm. tot 6-dm. steenkoollagies.	27 6	—	Shale, carbonaceous, with occasional 1-in. to 6-in. coal bands.
Skalie, koolstofhoudend, met glanskoolstrepies.	10 9	226 11	Shale, carbonaceous, with bright coal stringers.
Matkool, skalieagtig, met glanskool in onderste 6 dm.	2 7	—	**Coal,** dull, shaly, with bright coal in bottom 6 in.
Skalie, koolstofhoudend, met 'n paar glanskoollagies.	4 4	—	Shale, carbonaceous, with a few bands of bright coal.
Glanskool, fyngelaag, en koolstofhoudende skalie, in afwisselende lae; plek-plek sideriet- en piriethoudend.	3 7	237 5	**Coal,** bright, finely banded, and carbonaceous shale, in alternating bands; sideritic and pyritic in places.
Skalie; koolstofhoudende lae en glanskoollae, afwisselend; hoofsaaklik skalie.	24 4	261 9	Shale; carbonaceous bands and bright coal bands; mainly shale.
Skalie, kleiagtig, ligbruin ...	9 6	271 3	Shale, clayey, light-brown.
Matkool en skalieagtige steenkool met 'n paar koolstofhoudende skalielagies.	4 2	—	**Coal,** dull, and shaly coal, with a few carbonaceous shale bands.
Matkool, plek-plek kalsiet- en piriethoudend.	5 7	—	**Coal,** dull, calcitic and pyritic in places.
Matkool, piriethoudend, met enkele glanskoolstrepies.	3 3	—	**Coal,** dull, pyritic, with occasional bright coal stringers.
Matkool, met slegs enkele glanskoolstrepies en 'n paar dun koolstofhoudende skalielagies.	6 2	—	**Coal,** dull, with only an occasional bright coal stringer and a few thin carbonaceous shale bands.
Matkool, met baie glanskoolstrepies; 2 dm. koolstofhoudende moddersteen 2 dm. van bo af, en 'n 1-dm. pirietlagie 27 dm. van bo af; piriethoudend.	4 0	294 5	**Coal,** dull, with many bright coal stringers; 2 in. carbonaceous mudstone 2 in. from top and a 1-in. pyrite band 27 in. from top; pyritic.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sandsteen, fynkorrelrig, vaal tot vaalswart, gelaag, mikadraend.	8	9	303	2	Sandstone, fine-grained, grey to greyish black, banded, micaceous.
Glanskool, gelaag en skalie ...		7	—		**Coal**, bright, banded, and shale.
Sandsteenlagies en glanskool ...		10	304	7	Sandstone bands and bright coal.
Matkool, plek-plek skalieagtig, en bevat enkele glanskoolstrepies en 3 dm. koolstofhoudende moddersteen 50 dm. van bo af (kern gebreek).	7	8	—		**Coal**, dull, shaly in places, and contains occasional bright coal stringers and 3 in. carbonaceous mudstone 50 in. from top (core broken).
Matkool, met 'n 3-dm. fusietagtige, kalsiethoudende lagie 25 dm. van bo af en 'n soortgelyke 4-dm. lagie 39 dm. van bo af; kalsiethoudend.	3	10	316	1	**Coal**, dull, with a 3-in. fusainous, calcitic band 25 in. from top and a similar 4-in. band 39 in. from top; calcitic.
Sandsteen, fynkorrelrig, vaal tot vaalswart, gelaag, mikadraend.	17	4	—		Sandstone, fine-grained, grey to greyish black, laminated, micaceous.
Sandsteen; fynkorrelrige lagies en middelkorrelrige, vaal, lagies om die beurt.	7	5	—		Sandstone; alternating fine-grained bands and medium-grained, grey bands.
Sandsteen; afwisselende lae van fynkorrelrige vaal tot swart sandsteen en middel- tot grofkorrelrige, plek-plek grintagtige, vaal tot swart sandsteen; fossieldraend in onderste paar duim.	13	8	354	6	Sandstone; alternating bands of fine-grained grey to black sandstone and medium- to coarse-grained, sometimes gritty, grey to black sandstone; fossiliferous in bottom few inches.
Matkool hoofsaaklik	2	1	356	7	**Coal**; mainly dull.
Sandsteen, fynkorrelrig, gelaag, vaal.	1	10	358	5	Sandstone, fine-grained, laminated, grey.

BOORGAT 75 : VAALPENSLOOP 722 : BOREHOLE 75

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 125	N.G.	—	135 10	N.S.
C	**Glanskool,** gelaag, en skalie.	24	—	**Coal,** bright, banded, and shale.
	N.G.	32	—	N.S.
	N.G.	37	—	N.S.
B	**Glanskool,** dungelaag, en skalie; piriethoudend by bo-ent; erg sideriethoudend veral in onderste 9 dm.	36	—	**Coal,** bright, thinly banded, and shale; pyritic at top; very sideritic especially in bottom 9 in.
	N.G.	174	—	N.S.
A	**Steenkool;** hoofsaaklik glanskool, met 'n paar skalielagies naby bo-ent; sideriet-, piriet- en kalsiethoudend.	26	163 3	**Coal;** mainly bright coal, with a few shale bands near top; sideritic, pyritic, and calcitic.
Q 126	N.G.	90	185 8	N.S.
C	**Glanskool** en koolstofhoudende skalie, in afwisselende breë lae; glyvlak by bo-ent; 2 dm. vaal skalie 6 dm. van onder af.	36	—	**Coal,** bright, and carbonaceous shale, in alternating broad bands; slip plane at top; 2 in. grey shale 6 in. from bottom.
	N.G.	330	—	N.S.
	N.G.	129	—	N.S.
B	**Matkool,** skalieagtig, met glanskool in onderste 6 dm.	31	—	**Coal,** dull, shaly, with bright coal in bottom 6 in.
	N.G.	52	—	N.S.
A	**Glanskool,** fyngelaag, en koolstofhoudende skalie, in afwisselende lae; plek-plek sideriet- en piriethoudend.	43	237 5	**Coal,** bright, finely banded, and carbonaceous shale, in alternating bands; sideritic and pyritic in places.
Q 127	N.G.	114	271 3	N.S.
E	**Matkool** en skalieagtige steenkool, met 'n paar koolstofhoudende skalielagies.	50	—	**Coal,** dull, and shaly coal, with a few carbonaceous shale bands.
D	**Matkool,** plek-plek kalsiet- en piriethoudend.	67	—	**Coal,** dull, calcitic and pyritic in places.
C	**Matkool,** piriethoudend, met enkele glanskoolstrepies.	39	—	**Coal,** dull, pyritic, with occasional bright coal stringers.
B	**Matkool,** met slegs enkele glanskoolstrepies en 'n paar dun koolstofhoudende skalielagies.	74	—	**Coal,** dull, with only an occasional bright coal stringer and a few thin carbonaceous shale bands.
A	**Matkool,** met baie glanskoolstrepies; 2 dm. koolstofhoudende moddersteen 2 dm. van bo af en 1 dm. piriet 27 dm. van bo af; piriethoudend.	48	294 5	**Coal,** dull, with many bright coal stringers; 2 in. carbonaceous mudstone 2 in. from top and 1 in. pyrite 27 in. from top; pyritic.

Bg. 75 (*Verv.*) B.H. 75 (*Contd.*)

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 128	N.G.	10	304 7	N.S.
C	**Matkool**, plek-plek skalieagtig; bevat enkele glanskoolstrepies en 3 dm. koolstofhoudende moddersteen 50 dm. van bo af (kern gebreek).	92	—	**Coal**, dull, shaly in places; contains occasional bright coal stringers and 3 in. carbonaceous mudstone 50 in. from top (core broken).
B	**Matkool**, met 'n 3-dm. fusietagtige, kalsiethoudende lagie 25 dm. van bo af en 'n soortgelyke 4-dm. lagie 39 dm. van bo af; kalsiethoudend.	46	316 1	**Coal**, dull, with a 3-in. fusainous calcitic band 25 in. from top and a similar 4-in. band 39 in. from top; calcitic.
	N.G.	208	—	N.S.
	N.G.	89	—	N.S.
	N.G.	164	—	N.S.
A	**Matkool** hoofsaaklik ...	25	356 7	**Coal**; mainly dull.

BOORGAT 75 : VAALPENSLOOP 722 : BOREHOLE 75

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	Wastoets Washing Test			Kortanalises (Luggedroogde steenkool) Proximate Analyses (Air-dried coal)						Soortlike Gewig-Afskeiding (—16 maas B.S.S.) Specific Gravity Separation (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 125 C	24	—	—	—	—	1·9	31·2	28·5	38·4	—	28·1	7·4	—	—	—	5
B_1	—	−1	1·45	42·2	—	2·8	15·1	34·9	47·2	2½	71·7	6·6	—	—	—	5
B_2	—	−1	1·45	57·8	—	2·2	36·4	28·4	33·0	—	10·5	—	—	—	—	—
B	36	—	—	—	—	2·5	27·4	31·1	39·0	—	36·3	6·9	—	—	—	—
A_1	—	−1	1·45	40·0	—	3·0	12·2	34·2	50·6	3	79·8	5·4	—	—	—	2
A_2	—	−1	1·45	60·0	—	1·9	45·0	23·2	29·9	—	11·6	—	—	—	—	—
A	26	—	—	—	—	2·3	31·9	27·6	38·2	—	38·9	5·7	—	—	—	—
Q 126 C_1	—	−1	1·45	42·7	12·8	2·6	10·8	35·3	51·3	2½	88·2	6·7	—	—	—	4
C_2	—	−1	1·45	57·3	—	1·6	59·8	18·1	20·5	—	4·0	22·8	—	—	—	—
C	36	—	—	—	—	2·2	38·9	25·4	33·5	—	40·2	—	—	—	—	—
B	31	—	—	—	—	2·3	29·4	21·5	46·8	—	16·7	8·5	—	—	—	1½
A_1	—	−1	1·45	41·3	12·7	2·5	10·2	35·2	52·1	2½	86·1	5·8	—	—	—	3½
A_2	—	−1	1·45	58·7	—	1·7	40·7	22·9	34·7	—	7·5	7·6	—	—	—	—
A	43	—	—	—	—	2·2	22·8	30·1	44·9	—	53·6	5·9	—	—	—	—
Q 127 E	50	—	—	—	—	2·3	42·2	17·0	38·5	—	2·2	—	—	—	—	—
D_1	—	−1	1·58	54·4	12·7	3·4	9·6	20·3	66·7	—	69·6	4·9	—	—	—	P
D_2	—	−1	1·58	45·5	—	2·4	42·2	20·4	35·0	—	2·7	—	—	—	—	—
D	67	—	—	—	—	2·9	24·4	20·3	52·3	—	39·2	—	—	—	—	—
C_1	—	−1	1·58	85·8	12·7	3·1	10·2	19·6	67·1	—	68·5	5·0	—	—	—	P
C_2	—	−1	1·58	14·2	—	1·8	43·5	22·0	32·7	—	4·6	—	—	—	—	—
C	39	—	—	—	—	2·9	14·9	19·9	62·2	—	59·4	—	—	—	—	—
B_1	—	−1	1·58	64·8	11·7	2·6	16·9	20·8	59·7	—	25·9	7·0	—	—	F	—
B_2	—	−1	1·58	35·2	—	2·0	40·0	17·4	40·6	—	2·2	—	—	—	—	—
B	74	—	—	—	—	2·4	25·0	19·6	53·0	—	17·6	—	—	—	—	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q127 A_1	—	−1	1·45	72·4	13·0	2·9	9·4	26·3	61·4	—	86·0	6·8	—	—	1½Ag	—
A_2	—	−1	1·45 −1·58	9·0	11·2	2·6	19·3	22·9	55·2	—	30·0	8·2	—	—	F	—
A_1A_2	—	−1	1·58	81·4	12·8	2·9	10·5	25·9	60·7	—	—	—	—	—	—	—
A_3	—	−1	1·58	18·6	—	1·8	46·9	24·0	27·3	—	1·1	—	—	—	—	—
A	48	—	—	—	—	2·7	17·3	25·5	54·5	—	79·8	—	—	—	—	—
Q 128 C_1	—	−1	1·58	78·6	12·1	2·9	14·3	24·3	58·5	—	51·5	7·4	—	—	2	—
C_2	—	−1	1·58	21·4	—	2·3	42·7	20·0	35·0	—	2·4	—	—	—	—	—
C	92	—	—	—	—	2·7	20·4	23·4	53·5	—	41·0	—	—	—	—	—
B_1	—	−1	1·58	82·9	12·1	2·8	14·4	25·1	57·7	—	48·5	7·2	—	—	2	—
B_2	—	−1	1·58	17·1	—	2·3	38·3	22·7	36·7	—	2·2	—	—	—	—	—
B	46	—	—	—	—	2·7	18·5	24·7	54·1	—	40·6	—	—	—	—	—
A_1	—	−1	1·58	91·2	13·2	2·9	8·4	25·5	63·2	—	53·1	7·1	—	—	1½Ag	—
A_2	—	−1	1·58	8·8	—	1·7	44·9	17·9	35·5	—	5·2	—	—	—	—	—
A	25	—	—	—	—	2·8	11·6	24·8	60·8	—	48·9	—	—	—	—	—

BOORGAT 76 : DAARBY 1369 : BOREHOLE 76

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. Ft. In.	Vt. Dm. Ft. In.	
Grond	4 0	—	Soil.
Moddersteen	111 9	—	Mudstone.
Skalie, swart	2 0	113 9	Shale, black.
Skalie, koolstofhoudend, met glanskoolstrepies.	4	114 1	Shale, carbonaceous, with bright coal stringers.
Glanskool, kalsiethoudend in boonste 4 dm. en piriethoudend in onderste 4 dm.	2 2	—	**Coal,** bright, calcitic in top 4 in. and pyritic in bottom 4 in.
Skalie, koolstofhoudend, en vaal skalie.	5 8	—	Shale, carbonaceous, and grey shale.
Glanskool, dungelaag, en skalie	2 11	—	**Coal,** bright, thinly banded, and shale.
Skalie, koolstofhoudend, en vaal skalie.	3 0	—	Shale, carbonaceous, and grey shale.
Glanskool, dungelaag, en skalie; 5 dm. koolstofhoudende skalie 18 dm. van bo af.	2 6	—	**Coal,** bright, thinly banded, and shale; 5 in. carbonaceous shale 18 in. from top.
Skalielae en steenkoollae van ongeveer 8 dm. dikte om die beurt.	7 3	—	Shale bands and coal bands of approximately 8 in. width, alternating.
Glanskool, dungelaag, en skalie.	10	138 5	**Coal,** bright, thinly banded, and shale.
Skalie, koolstofhoudend	4	—	Shale, carbonaceous.
Glanskool, piriethoudend, met 'n 1-dm. sierietlagie 8 dm. van onder af en onderste 3 dm. skalieagtig.	1 7	140 4	**Coal,** bright, pyritic, with a 1-in. siderite band 8 in. from bottom and bottom 3 in. shaly.
Skalie, swart	3 9	—	Shale, black.
Skalie, koolstofhoudend, en koolstofhoudende skalie met glanskoolstrepies in afwisselende dik lae.	7 5	151 6	Shale, carbonaceous, and carbonaceous shale with bright coal stringers in alternating wide bands.
Glanskool en koolstofhoudende skalie met glanskoolstrepies, afwisselend.	3 10	—	**Coal;** bright bands and carbonaceous shale bands with bright coal stringers, alternating.
Skalie	1 5	—	Shale.
Skalie, koolstofhoudend, met glanskoolstrepies.	1 10	—	Shale, carbonaceous, with bright coal stringers.
Glanskool, gelaag, kalsiet- en piriethoudend en met sideriet-korrels in onderste 2 dm.	2 6	—	**Coal,** bright, banded, calcitic and pyritic and with siderite pellets in bottom 2 in.
Skalie, koolstofhoudend, met glanskoollagies en -strepies.	5 0	—	Shale, carbonaceous, with bright coal bands and stringers.
Glanskool, gelaag, en skalie; sideriet- en kalsiethoudend.	1 2	—	**Coal,** bright, banded, and shale; sideritic and calcitic.
Glanskool, gelaag, kalsiethoudend.	1 8	—	**Coal,** bright, banded, calcitic.
Glanskool, gelaag, en skalie; sideriet- en kalsiethoudend.	8	—	**Coal,** bright, banded, and shale; sideritic and calcitic.
Skalie, koolstofhoudend, met glanskoolstrepies.	1 3	—	Shale, carbonaceous, with bright coal stringers.
Glanskool, gelaag, met 'n 3-dm. koolstofhoudende skalielagie 15 dm. van bo af en 'n 2-dm. koolstofhoudende skalielagie 10 dm. van onder af; effens piriethoudend en bevat plek-plek sierietkorrels.	5 0	—	**Coal,** bright, banded, with a 3-in. carbonaceous shale band 15 in. from top and a 2-in. carbonaceous shale band 10 in. from bottom; slightly pyritic and contains siderite pellets in places.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Glanskool, gelaag, en skalie; bevat sierietkorrels.	1	9	177	7	**Coal,** bright, banded, and shale; contains siderite pellets.
Skalie, koolstofhoudend	2	0	179	7	Shale, carbonaceous.
Glanskool, dungelaag, en skalie: twee 3-dm. koolstofhoudende skalielagies in middel; siderietkorrels by onderent.	3	2	—		**Coal,** bright, thinly banded, and shale; two 3-in. carbonaceous shale bands in middle; siderite pellets at bottom.
Skalie, koolstofhoudend	3	6	—		Shale, carbonaceous.
Glanskool, gelaag, met 'n 4-dm. koolstofhoudende skalielagie in middel.	3	5	—		**Coal,** bright, banded, with a 4-in. carbonaceous shale band in middle.
Skalie, koolstofhoudend		9	—		Shale, carbonaceous.
Glanskool, gelaag, met twee 3-dm. koolstofhoudende skalielagies 20 dm. en 16 dm. van bo af en twee 7-dm. erg sideriethoudende steenkoollagies 26 dm. van onder af en by onderent respektiewelik.	5	7	196	0	**Coal,** bright, banded, with two 3-in. carbonaceous shale bands 20 in. and 16 in. from top and two 7-in. bands of very sideritic coal 26 in. from bottom and at bottom respectively.
Skalie, koolstofhoudend, met baie steenkoollagies van 2 dm. tot 8 dm. dikte.	63	1	259	1	Shale, carbonaceous, with many coal bands of 2 in. to 8 in. width.
Glanskool, gelaag; onderste 7 dm. is sideriethoudend.	2	4	261	5	**Coal,** bright, banded; bottom 7 in. sideritic.
Skalie, koolstofhoudend, met enkele 3-dm. tot 6-dm. steenkoollagies.	47	10	309	3	Shale, carbonaceous, with occasional 3-in. to 6-in. coal bands.
Skalie, koolstofhoudend, met 'n steenkoollagie by bo-ent en een by onderent.	3	3	312	6	Shale, carbonaceous, with a coal band at top and one at bottom.
Glanskool, dungelaag	1	7	—		**Coal,** bright, thinly banded.
Skalie, koolstofhoudend	1	2	—		Shale, carbonaceous.
Glanskool, gelaag, en skalie; piriethoudend.	1	2	316	5	**Coal,** bright, banded, and shale, pyritic.
Skalie, koolstofhoudend, met enkele 3-dm. tot 5-dm. steenkoollagies.	24	10	341	3	Shale, carbonaceous, with occasional 3-in. to 5-in. coal bands.
Matkool, plek-plek skalieagtig.	6	4	—		**Coal,** dull, shaly in places.
Glanskool, gelaag, met agt 1-dm. tot 2-dm. koolstofhoudende skalielagies; erg piriethoudend, met enkele skalieagtige lagies na onder.	5	7	353	2	**Coal,** bright, banded, with eight 1-in. to 2-in. carbonaceous shale bands; very pyritic, with occasional shaly bands towards bottom.
Sandsteen, middelkorrelrig, koolstofhoudend.		11	—		Sandstone, medium-grained, carbonaceous.
Sandsteen, fynkorrelrig, ligbruin.		10	—		Sandstone, fine-grained, light-brown.
Skalie, kleiagtig, bruin	1	9	—		Shale, clayey, brown.
Skalie en steenkool; hoofsaaklik skalie.	4	2	360	10	Shale and coal; mainly shale.
Skalie, koolstofhoudend, met 'n bietjie steenkool.	7	9	—		Shale, carbonaceous, with a little coal.
Skalie, vaal en swart, fossieldraend.	2	6	—		Shale, grey and black, fossiliferous.
Skalie, koolstofhoudend, met 'n bietjie steenkool.	6	5	—		Shale, carbonaceous, with a little coal.
Skalie, swart	4	4	—		Shale, black.
Skalie, ligbruin	5	6	387	4	Shale, light-brown.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Matkool, met 'n 2-dm. glanskoollagie by onderent en 'n 2-dm. pirietlagie in middel (kern gebreek).	3	7	—		**Coal,** dull, with a 2-in. bright coal band at bottom and a 2-in. pyrite band in middle (core broken).
Matkool, met glanskoolstrepies in middel; piriethoudend.	5	2	—		**Coal,** dull, with bright coal stringers in middle; pyritic.
Matkool, skalieagtig by bo-ent, met enkele glanskoolstrepies; siderietkorrels by onderent.	3	11	—		**Coal,** dull, shaly at top, with occasional bright coal stringers; siderite pellets at bottom.
Matkool, skalieagtig naby onderent; effens piriethoudend.	3	11	—		**Coal,** dull, shaly near bottom; slightly pyritic.
Matkool, met enkele glanskoolstrepies na onder en fusiethoudende lagies by onderent; piriethoudend.	4	10	—		**Coal,** dull, with occasional bright coal stringers towards bottom and fusaineous bands at bottom; pyritic.
Steenkool, gemeng, meer glansend na onder, met 'n 1-dm. pirietlagie 12 dm. van onder af en 'n 1-dm. koolstofhoudende skalielagie 18 dm. van bo af.	3	7	412	4	**Coal,** mixed, brighter towards bottom, with a 1-in. pyritic band 12 in. from bottom and a 1-in. carbonaceous shale band 18 in. from top.
Sandsteen, fynkorrelrig, vaal tot ligbruin, effens gelaag; 'n ½-dm. steenkoollagie 23 dm. van onder af.	10	3	—		Sandstone, fine-grained, grey to light-brown; slightly laminated; a ½-in. coal band 23 in. from bottom.
Sandsteen; afwisselende dun, donkervaal tot swart sandsteen en ligvaal, fynkorrelrige, effens mikadraende sandsteenlagies; onderste helfte is baie donkerder van kleur.	9	2	—		Sandstone; alternating thin, dark-grey to black bands, and light-grey, fine-grained, slightly micaceous sandstone bands; bottom half is much darker in colour.
Sandsteen, middel- tot grofkorrelrig, veldspaties, donkergrys.	2	7	434	4	Sandstone, medium- to coarse-grained, felspathic, dark-grey.
Glanskool, gelaag, met 'n 1-dm. koolstofhoudende sandsteenlagie.		5	—		**Coal,** bright, banded, with a carbonaceous sandstone band.
Sandsteen, middelkorrelrig, koolstofhoudend.	1	5	436	2	Sandstone, medium-grained, carbonaceous.
Matkool, met enkele glanskoolstrepies.	3	9	—		**Coal,** dull, with occasional bright coal stringers.
Matkool, met enkele glanskoolstrepies en 'n 3-dm. fusiethoudende lagie 16 dm. van bo af.	3	11	—		**Coal,** dull, with occasional bright coal stringers and a 3-in. fusainous band 16 in. from top.
Matkool, met enkele glanskoolstrepies; 'n 2-dm. fusiethoudende lagie naby middel; ½ dm. moddersteen 2 dm. van onder af.	4	11	448	9	**Coal,** dull, with occasional bright coal stringers; a 2-in. fusainous band near middle; ½-in. mudstone 2 in. from bottom.
Sandsteen, fynkorrelrig, gelaag, met dun lagies ligbruin en ligvaal sandsteen.	5	8	—		Sandstone, fine-grained, laminated, with thin bands of light-brown and light-grey sandstone.
Sandsteen; fynkorrelrige lagies wit veldspatiese sandsteen, enkele fynkorrelrige, donkerkleurige lagies en vaal sandsteenlagies; onderste 5 vt. is witter.	16	5	—		Sandstone; fine-grained bands of white, felspathic sandstone, occasional fine-grained, dark-coloured bands and grey sandstone bands; bottom 5 ft. is whiter.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Sandsteen, fynkorrelrig; afwisselende dun lagies ligvaal en donkervaal sandsteen; erg kruisgelaag.	5 4	—	Sandstone, fine-grained; alternating thin bands of light-grey and dark-grey sandstone; much cross-bedded.
Sandsteen, middelkorrelrig, witgrys, veldspaties.	1 9	—	Sandstone, medium-grained, whitish grey, felspathic.
Sandsteen, fynkorrelrig; afwisselende dun lagies ligvaal en donkervaal sandsteen; kruisgelaag.	3 9	—	Sandstone, fine-grained; alternating thin bands of light-grey and dark-grey sandstone; cross-bedded.
Sandsteen; afwisselende lagies vaal, swart, donkervaal soms skalieagtige sandsteen en fyn- tot grofkorrelrige sandsteen; bevat swart skalielagies in middelste 24 dm.	6 6	488 2	Sandstone; alternating bands of grey, black, dark-grey sometimes shaly sandstone and fine- to coarse-grained sandstone; contains black shale bands in middle 24 in.
Matkool, met enkele glanskoolstrepies by bo-ent; 'n ½-dm. moddersteenlagie 18 dm. van bo af.	5 10	494 0	**Coal,** dull, with occasional bright coal stringers at top; a ½-in. mudstone band 18 in. from top.
Sandsteen, fynkorrelrig, gelaag, vaal, mikadraend.	1 3	495 3	Sandstone, fine-grained, laminated, grey, micaceous.

BOORGAT 76 : DAARBY 1369 : BOREHOLE 76

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 129	N.G.	4	114 1	N.S.
D	**Glanskool,** kalsiethoudend in boonste 4 dm. en piriethoudend in onderste 4 dm.	26	—	**Coal,** bright, calcitic in top 4 in. and pyritic in bottom 4 in.
	N.G.	68	—	N.S.
C	**Glanskool,** dungelaag, en skalie.	35	—	**Coal,** bright, thinly banded, and shale.
	N.G.	36	—	N.S.
B	**Glanskool,** dungelaag, en skalie; 5 dm. koolstofhoudende skalie 18 dm. van bo af.	30	—	**Coal,** bright, thinly banded, and shale; 5 in. carbonaceous shale 18 in. from top.
	N.G.	87	—	N.S.
A	**Glanskool,** dungelaag, en skalie.	10	—	**Coal,** bright, thinly banded, and shale.
	Skalie, koolstofhoudend.	4	—	Shale, carbonaceous.
	Glanskool, piriethoudend, met 'n 1-dm. siderietlagie 8 dm. van onder af en onderste 3 dm. skalieagtig.	19	140 4	**Coal,** bright, pyritic, with a 1-in. siderite band 8 in. from bottom and bottom 3 in. shaly.

Bg. 76 (*Verv.*) B.H. 76 (*Contd.*)

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. In.	*Vt. Dm. Ft. In.*	
Q 130	N.G.	89	151 6	N.S.
E	**Glanskoollae** en koolstofhoudende skalielae met glanskoolstrepies, afwisselend.	46	—	**Coal**; bright bands and carbonaceous shale bands with bright coal stringers, alternating.
	N.G.	17	—	N.S.
	N.G.	22	—	N.S.
D	**Glanskool**, gelaag, kalsiet- en piriethoudend en met siderietkorrels in onderste 2 dm.	30	—	**Coal**, bright, banded, calcitic and pyritic and with siderite pellets in bottom 2 in.
	N.G.	60	—	N.S.
C	**Glanskool**, gelaag, en skalie; sideriet- en kalsiethoudend.	14	—	**Coal**, bright, banded, and shale; sideritic and calcitic.
	Glanskool, gelaag, kalsiethoudend.	20	—	**Coal**, bright, banded, calcitic.
	Glanskool, gelaag, en skalie; sideriet- en kalsiethoudend.	8	—	**Coal**, bright, banded, and shale; sideritic and calcitic.
	N.G.	15	—	N.S.
B	**Glanskool**, gelaag, met 'n 3-dm. koolstofhoudende skalielagie 15 dm. van bo af en 'n 2-dm. koolstofhoudende skalielagie 10 dm. van onder af; effens piriethoudend en bevat plek-plek siderietkorrels.	60	—	**Coal**, bright, banded, with a 3-in. carbonaceous shale band 15 in. from top and a 2-in. carbonaceous shale band 10 in. from bottom; slightly pyritic and contains siderite pellets in places.
A	**Glanskool**, gelaag, en skalie; bevat siderietkorrels.	21	177 7	**Coal**, bright, banded, and shale; contains siderite pellets.
Q 131	N.G.	24	179 7	N.S.
D	**Glanskool**, dungelaag, en skalie; twee 3-dm. koolstofhoudende skalielagies in middel; siderietkorrels by onderent.	38	—	**Coal**, bright, thinly banded, and shale; two 3-in. carbonaceous shale bands in middle; siderite pellets at bottom.
	N.G.	42	—	N.S.
C	**Glanskool**, gelaag, met 'n 4-dm. koolstofhoudende skalielagie in middel.	41	—	**Coal**, bright, banded, with a 4-in. carbonaceous shale band in middle.
	N.G.	9	—	N.S.
B	**Glanskool**, gelaag, met twee 3-dm. koolstofhoudende skalielagies 20 dm. en 16 dm. van bo af en twee 7-dm. erg siderietehoudende steenkoollagies 26 dm. van onder af en by onderent, respektiewelik.	67	196 0	**Coal**, bright, banded, with two 3-in. carbonaceous shale bands 20 in. and 16 in. from top and two 7-in. very sideritic coal bands 26 in. from bottom respectively.
	N.G.	757	259 1	N.S.
A	**Glanskool**, gelaag; onderste 7 dm. is siderietehoudend.	28	261 5	**Coal**, bright, banded; bottom 7 in. sideritic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 132	N.G.	39	312 6	N.S.
C	**Glanskool,** dungelaag	19	—	**Coal,** bright, thinly banded.
	N.G.	14	—	N.S.
	N.G.	14	—	N.S.
	N.G.	298	341 3	N.S.
B	**Glanskool,** plek-plek skalieagtig.	76	—	**Coal,** bright, shaly in places.
A	**Glanskool,** gelaag, met agt 1-dm. to 2-dm. koolstofhoudende skalielagies; erg piriethoudend, met enkele skalieagtige lagies na onder.	67	353 2	**Coal,** bright, banded, with eight 1-in. to 2-in. carbonaceous shale bands; very pyritic, with occasional shaly bands towards bottom.
Q 133	N.G.	66	387 4	N.S.
F	**Matkool,** met 'n 2-dm. glanskoollagie by onderent en 'n 2-dm. pirietlagie in middel (kern gebreek).	43	—	**Coal,** dull, with a 2-in. bright coal band at bottom and a 2-in. pyrite band in middle (core broken).
E	**Matkool,** met glanskoolstrepies in middel; piriethoudend.	62	—	**Coal,** dull, with bright coal stringers in middle; pyritic.
D	**Matkool,** skalieagtig by bo-ent, met enkele glanskoolstrepies; siderietkorrels by onderent.	47	—	**Coal,** dull, shaly at top, with occasional bright coal stringers; siderite pellets at bottom.
C	**Matkool,** skalieagtig naby onderent; effens piriethoudend.	47	—	**Coal,** dull, shaly near bottom; slightly pyritic.
B	**Matkool,** met enkele glanskoolstrepies na onder en fusiethoudende lagies by onderent; piriethoudend	58	—	**Coal,** dull, with occasional bright coal stringers towards bottom and fusainous bands at bottom; pyritic.
A	**Steenkool,** gemeng, meer glansend na onder, met 'n 1-dm. pirietlagie 12 dm. van onder af en 'n 1-dm. koolstofhoudende skalielagie 18 dm. van bo af.	43	412 4	**Coal,** mixed, brighter towards bottom, with a 1-in. pyrite band 12 in. from bottom and a 1-in. carbonaceous shale band 18 in. from top.
Q 134	N.G.	17	436 2	N.S.
D	**Matkool,** met enkele glanskoolstrepies.	45	—	**Coal,** dull, with occasional bright coal stringers.
C	**Matkool,** met enkele glanskoolstrepies en 'n 3-dm. fusiethoudende lagie 16 dm. van bo af.	47	—	**Coal,** dull, with occasional bright coal stringers and a 3-in. fusainous band 16 in. from top.
B	**Matkool,** met enkele glanskoolstrepies; 'n 2-dm. fusiethoudende lagie naby middel; ½ dm. moddersteen 2 dm. van onder af.	59	488 9	**Coal,** dull, with occasional bright coal stringers; a 2-in. fusainous band near middle; ½ in. mudstone 2 in. from bottom.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
	N.G.	68	—	N.S.
	N.G.	197	—	N.S.
	N.G.	64	—	N.S.
	N.G.	21	—	N.S.
	N.G.	45	—	N.S.
	N.G.	77	—	N.S.
A	Matkool, met enkele glanskoolstrepies by bo-ent; 'n ½-dm. moddersteenlagie 18 dm. van bo af.	70	494 0	Coal, dull, with occasional bright coal stringers at top; a ½-in. mudstone band 18 in. from top.

BOORGAT 76 : DAARBY 1369 : BOREHOLE 76

No. van B.N.I.-monster F.R.I. sample no.	Dikte, D.n. Width, In.	Wastoets Washing Test: Grootte, D.n. Size, In.	Wastoets Washing Test: S.G.	Wastoets Washing Test: Opbrengs Yield %	Kortanalises (Luggedroogde steenkool) Proximate Analyses (Air-dried coal): V.w. Cal. val. lb./lb.	H$_2$O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Soortlike Gewig-Afskeiding (−16 maas B.S.S.) Specific Gravity Separation (−16 mesh B.S.S.): Dryfsel, 1·45 Float, 1·45: Opbrengs Yield %	Dryfsel, 1·45 Float, 1·45: As Ash %	Dryfsel, 1·58 Float, 1·58: Opbrengs Yield %	Dryfsel, 1·58 Float, 1·58: As Ash %	Sw.-syfer Swelling number: Dryfsel Float 1·45	Sw.-syfer Swelling number: Dryfsel Float 1·58
Q 129 D$_1$	—	−1	1·45	58·9	12·3	2·9	14·0	37·9	45·2	3½	83·0	9·0	—	—	4½	—
D$_2$	—	−1	1·45	41·1	—	2·2	33·0	32·3	32·5	—	24·7	7·7	—	—	5½	—
D	26	—	—	—	—	2·6	21·8	35·6	40·0	—	59·0	8·8	—	—	5	—
C	35	—	—	—	—	2·3	39·1	27·6	31·0	—	16·2	8·9	—	—	4½	—
B	30	—	—	—	—	2·5	38·9	27·3	31·3	—	17·3	8·1	—	—	4½	—
A$_1$	—	−1	1·45	43·5	12·0	3·1	15·4	35·5	46·0	3½	79·6	10·0	—	—	4½	—
A$_2$	—	−1	1·45	56·5	—	2·1	51·0	22·5	24·4	—	8·8	9·4	—	—	—	—
A	33	—	—	—	—	2·5	35·5	28·2	33·8	—	39·6	9·9	—	—	—	—
Q 130 E$_1$	—	−1	1·45	34·8	—	3·2	13·7	34·9	48·2	2½	78·9	7·0	—	—	3½	—
E$_2$	—	−1	1·45	65·2	—	2·2	47·5	22·4	27·9	—	17·1	8·5	—	—	3	—
E	46	—	1·45	—	—	2·5	35·7	26·8		—	38·6	7·4	—	—	3	—
D$_1$	—	−1	—	75·5	—	3·2	12·5	35·3	35·0	3½	86·5	8·8	—	—	4	—
D$_2$	—	−1	1·45	24·5	—	2·7	32·7	31·7	49·0	—	16·1	6·9	—	—	5½	—
D	30	—	—	—	—	3·1	17·4	34·4	32·9	—	69·3	8·7	—	—	4½	—
C$_1$	—	−1	1·45	37·5	—	3·2	14·6	35·0	45·1	2	73·7	7·3	—	—	5½	—
C$_2$	—	−1	1·45	62·5	—	2·4	34·5	29·1	47·2	—	15·7	7·8	—	—	2½	—
C	42	—	—	—	—	2·7	27·0	31·3	34·0	—	37·5	7·4	—	—	3½	—
B$_1$	—	−1	1·45	63·6	—	3·1	12·0	35·6	39·0	3½	81·9	6·9	—	—	4½	—
B$_2$	—	−1	1·45	36·4	—	2·2	44·2	24·6	49·3	—	10·7	7·6	—	—	—	—
B	65	—	—	—	—	2·8	23·7	31·6	29·0	—	56·0	6·9	—	—	—	—
A$_1$	—	−1	1·45	41·2	—	3·2	13·1	35·5	41·9	2½	79·6	6·1	—	—	2½	—
A$_2$	—	−1	1·45	58·8	—	2·6	35·9	28·6	48·2	—	17·3	7·7	—	—	3	—
A	25	—	—	—	—	2·8	26·5	31·5	32·9	—	43·0	6·6	—	—	3	—
									39·2							

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 131 D_1	—	−1	1·45	41·0	—	3·3	15·7	33·3	47·7	3	74·8	7·6	—	—	3½	—
D_2	—	−1	1·45	59·0	—	2·1	52·5	21·0	24·4	—	19·2	7·1	—	—	3	—
D	38	—	—	—	—	2·6	37·4	26·0	34·0	—	42·0	7·5	—	—	3	—
C_1	—	−1	1·45	43·3	—	3·0	16·1	33·9	47·0	3	74·9	9·2	—	—	4	—
C_2	—	−1	1·45	56·7	—	2·3	46·2	22·8	28·7	—	20·2	10·5	—	—	3½	—
C	41	—	—	—	—	2·6	33·2	27·6	36·6	—	43·9	9·5	—	—	3½	—
B_1	—	−1	1·45	39·3	—	3·3	13·5	33·8	49·4	4	80·6	7·1	—	—	4½	—
B_2	—	−1	1·45	60·7	—	2·3	43·2	25·7	28·8	—	16·2	9·1	—	—	3	—
B	67	—	—	—	—	2·7	31·5	28·9	36·9	—	41·5	7·6	—	—	3½	—
A_1	—	−1	1·45	58·2	—	2·5	16·2	37·1	44·2	3	77·5	8·8	—	—	4½	—
A_2	—	−1	2·45	41·8	—	2·0	38·8	31·7	27·5	—	28·0	7·4	—	—	3½	—
A	28	—	—	—	—	2·3	25·6	34·8	37·2	—	56·8	8·5	—	—	4	—
Q 132 C_1	—	−1	1·45	71·9	—	2·9	10·9	35·9	50·3	—	87·7	7·4	—	—	3½	—
C_2	—	−1	1·45	28·1	—	2·3	33·5	26·0	38·2	—	24·4	16·9	—	—	2	—
C	19	—	—	—	—	2·7	17·3	33·1	46·9	—	69·9	8·3	—	—	3	—
B	76	—	—	—	—	2·3	29·4	22·8	45·5	—	16·9	8·4	—	—	2	—
A_1	—	−1	1·45	38·0	13·1	2·9	8·8	34·6	53·7	3	85·2	5·0	—	—	2	—
A_2	—	−1	1·45	62·0	—	1·9	41·1	22·2	34·8	—	8·0	19·0	—	—	—	—
A	67	—	—	—	—	2·3	28·8	26·9	42·0	—	37·3	6·9	—	—	—	—
Q 133 E_1F_1	—	−1	1·58	62·1	12·5	3·3	11·3	22·0	63·4	—	60·7	5·0	—	—	F	—
E_2F_2	—	−1	1·58	37·9	—	2·2	40·6	20·4	36·9	—	—	—	—	—	—	—
EF	105	—	—	—	—	2·9	22·4	21·4	53·4	—	—	—	—	—	—	—
D_1	—	−1	1·58	51·6	11·6	3·1	16·3	21·2	59·4	—	35·6	6·7	—	—	F	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 133 D_2	—	−1	1·58	48·4	—	2·5	39·7	18·2	39·6	—	—	—	—	—	—	—
D	47	—	—	—	—	2·8	27·6	19·7	49·8	—	—	—	—	—	—	—
B_1C_1	—	−1	1·58	59·2	11·7	2·7	16·6	20·6	60·2	—	28·5	7·2	—	—	F	—
B_2C_2	—	−1	1·58	40·8	—	2·4	39·8	18·0	39·8	—	—	—	—	—	—	—
BC	105	—	—	—	—	2·6	26·1	19·5	51·9	—	—	—	—	—	—	—
A_1	—	−1	1·45	69·4	13·3	2·8	8·2	28·0	61·0	1½Ag	86·6	5·3	—	—	1½Ag	—
A_2	—	−1	1·45–1·58	12·5	11·2	2·4	19·9	21·7	56·0	—	26·5	7·3	—	—	1½Ag	—
A_1A_2	—	−1	1·58	81·9	13·0	2·7	10·0	27·0	60·3	—	—	—	—	—	—	—
A_3	—	−1	1·58	18·1	—	1·7	45·6	22·9	29·9	—	—	—	—	—	F	—
A	43	—	—	—	—	2·6	16·4	26·3	54·7	—	—	—	—	—	—	—
Q 134 D_1	—	−1	1·58	82·2	12·0	2·6	15·2	21·3	60·9	—	39·5	7·5	—	—	F	—
D_2	—	−1	1·58	17·8	—	1·7	39·4	19·4	39·5	—	—	—	—	—	—	—
D	45	—	—	—	—	2·4	19·4	21·0	57·1	—	—	—	—	—	—	—
C_1	—	−1	1·58	73·2	12·2	2·8	13·6	24·6	59·0	—	68·9	9·4	—	—	1½Ag	—
C_2	—	−1	1·58	26·3	—	2·0	39·9	18·7	39·4	—	—	—	—	—	—	—
C	47	—	—	—	—	2·6	20·5	23·0	53·8	—	—	—	—	—	—	—
B_1	—	−1	1·58	89·1	12·6	2·8	12·1	24·4	60·7	—	64·2	7·3	—	—	1½Ag	—
B_2	—	−1	1·58	10·9	—	2·0	45·2	23·0	29·8	—	—	—	—	—	—	—
B	59	—	—	—	—	2·7	15·7	24·2	57·3	—	—	—	—	—	—	—
A_1	—	−1	1·58	74·2	12·1	2·6	15·1	21·3	61·0	—	30·0	7·3	—	—	F	—
A_2	—	−1	1·58	25·8	—	2·1	40·0	16·0	42·0	—	—	—	—	—	—	—
A	70	—	—	—	—	2·5	21·5	19·9	56·1	—	—	—	—	—	—	—

BOORGAT 77 : VAALPENSLOOP 722 : BOREHOLE 77

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sand en ouklip	33	0	—		Sand and laterite.
Moddersteen? (stampboor) ...	102	0	135	0	Mudstone? (jumper drill).
Skalie; gedeeltelik verweer ...	28	2	—		Shale, partly weathered.
Skalie en steenkool; hoofsaaklik skalie.	15	3	178	5	Shale and coal; mainly shale.
Matkool, skalieagtig, met 'n 8-dm. koolstofhoudende skalielaag 14 dm. van onder af; meer glansend na onder.	4	8	183	1	**Coal,** dull, shaly, with an 8-in. carbonaceous shale band 14 in. from bottom; brighter towards bottom.
Sandsteen		9	—		Sandstone.
Glanskool en skalie, in afwisselende lagies; ½ dm. vaal skalie 12 dm. van onder af.	3	1	186	11	**Coal,** bright, and shale, in alternating bands; ½ in. grey shale 12 in. from bottom.
Skalie, koolstofhoudend, met enkele steenkoollagies.	18	3	205	2	Shale, carbonaceous, with an occasional coal band.
Skalie, sanderig	1	0	—		Shale, sandy.
Skalie, swart en vaal, plek-plek steenkoolagtig.	9	5	—		Shale, black and grey; coaly in parts.
Skalie, ligbruin en vaalbruin ...	10	8	226	3	Shale, light-brown and greyish brown.
Matkool, skalieagtige steenkool en koolstofhoudende skalie in afwisselende lae.	3	9	—		**Coal,** dull, shaly coal and carbonaceous shale, in alternating bands.
Matkool, met enkele glanskoolstrepies (kern gebreek).	4	8	—		**Coal,** dull, with occasional bright coal stringers (coal broken).
Matkool, met 'n 5-dm. koolstofhoudende skalielaag in middel (kern erg gebreek en gedeelte waarskynlik hier verloor).	6	8	—		**Coal,** dull, with a 5-in. carbonaceous shale band in middle (core badly broken and portion probably lost here).
Matkool, met enkele glanskoolstrepies.	5	5	—		**Coal,** dull, with an occasional bright coal stringer.
Steenkool, gemeng, piriethoudend (26 dm. kern word vermis tussen 226 vt. 3 dm. en 252 vt. 5 dm.).	3	6	252	5	**Coal,** mixed, pyritic (26 in. core missing between 226 ft. 3 in. and 252 ft. 5 in.).
Sandsteen, fynkorrelrig, vaalswart, gelaag, en gelaagde, effens mikadraende, swart sandsteen.	4	10	—		Sandstone, fine-grained, greyish black, laminated, and laminated slightly micaceous black sandstone.
Sandsteen, fyn- tot middelkorrelrig, vaalswart tot swart, met enkele groterige kwartskorrels.	6	5	263	8	Sandstone, fine- to medium-grained, greyish black to black, with an occasional fairly big quartz grain.
Matkool, skalieagtig, met enkele dun glanskoollagies by bo-ent (kern gebreek).	3	5	—		**Coal,** dull, shaly, with an occasional thin bright coal band at top (core broken).
Matkool, met baie glanskoolstrepies (kern gebreek; 8 dm. kern word vermis tussen 263 vt. 8 dm. en 275 vt. 8 dm.).	7	11	275	8	**Coal,** dull, with many bright coal stringers (core broken; 8 in. core missing between 263 ft. 8 in. and 275 ft. 8 in.).
Sandsteen, fynkorrelrig, gelaag, mikadraend, vaal tot vaalswart en vaalbruin.	21	1	—		Sandstone, fine-grained, laminated, micaceous, grey to greyish black and greyish brown.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Sandsteen; afwisselende lagies van baie fynkorrelrige, gelaagde, vaal tot swart sandsteen wat plek-plek skalieagtig vertoon, en fynkorrelrige effens witter sandsteen; golfvormig gelaag.	21 10	318 7	Sandstone; alternating bands of very fine-grained, laminated, grey to black sandstone which appears shaly in places, and fine-grained slightly whiter sandstone; banded in wavy layer fashion.
Sandsteen en skalie, met steenkoolstrepies.	1 0	319 7	Sandstone and shale, with coal stringers.
Steenkool, gemeng, meer glansend na onder; piriethoudend.	1 9	321 4	**Coal,** mixed, brighter towards bottom; pyritic.
Sandsteen, swart, skalieagtig, met growwer swart dele.	2 2	323 6	Sandstone, black, shaly, with coarser black parts.

BOORGAT 77 : VAALPENSLOOP 722 : BOREHOLE 77

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 135	N.G.	183	178 5	N.S.
B	**Matkool,** skalieagtig, met 'n 8-dm. koolstofhoudende skalielaag 14 dm. van onder af; meer glansend na onder.	56	—	**Coal,** dull, shaly, with an 8-in. carbonaceous shale band 14 in. from bottom; brighter towards bottom.
	N.G.	9	—	N.S.
A	**Glanskool,** en skalie, in afwisselende lagies; ½ dm. vaal skalie 12 dm. van onder af.	37	186 11	**Coal,** bright, and shale, in alternating bands; ½ in. grey shale 12 in. from bottom.
Q 136	N.G.	128	226 3	N.S.
E	**Matkool,** skalieagtige steenkool en koolstofhoudende skalie, in afwisselende lae.	45	—	**Coal,** dull, shaly coal and carbonaceous shale, in alternating bands.
D	**Matkool,** met enkele glanskoolstrepies (kern gebreek).	56	—	**Coal,** dull, with an occasional bright coal stringer (core broken).
C	**Matkool,** met 'n 5-dm. koolstofhoudende skalielaag in middel (kern erg gebreek en gedeelte waarskynlik hier verloor).	80	—	**Coal,** dull, with a 5-in. carbonaceous shale band in middle (core badly broken and portion probably lost here).

Bg. 77 (*Verv.*) B.H. 77 (*Contd.*)

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth		Nature of strata
		Dm. *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
B	**Matkool,** met enkele glanskoolstrepies.	65	—		**Coal,** dull, with an occasional bright coal stringer.
A	**Steenkool,** gemeng, piriethoudend (26 dm. steenkool word vermis tussen 226 vt. 3 dm. en 252 vt. 5 dm.).	42	252	5	**Coal,** mixed, pyritic (26 in. coal missing between 226 ft. 3 in. and 252 ft. 5 in).
Q 137	N.G.	77	263	8	N.S.
C	**Matkool,** skalieagtig, met enkele dun glanskoollagies by bo-ent (kern gebreek).	41	—		**Coal,** dull, shaly, with an occasional thin bright coal band at bottom (core broken).
B	**Matkool,** met baie glanskoolstrepies (kern gebreek; 8 dm. kern word vermis tussen 263 vt. 8 dm. en 275 vt. 8 dm.).	95	275	8	**Coal,** dull, with many bright coal stringers (core broken; 8 in. core missing between 263 ft. 8 in. and 275 ft. 8 in.).
	N.G.	527	319	7	N.S.
A	**Steenkool,** gemeng, meer glansend na onder; piriethoudend.	21	321	4	**Coal,** mixed, brighter towards bottom; pyritic.

BOORGAT 77 : VAALPENSLOOP 722 : BOREHOLE 77

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-standdele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 135 B	56	—	—	—	—	2·4	29·6	24·2	43·8	—	17·5	9·5	—	—	2	—
A₁	—	−1	1·45	43·6	12·7	2·9	12·0	34·8	50·3	2	78·1	6·5	—	—	3	—
A₂	—	−1	1·45	56·4	—	1·7	42·1	22·2	34·0	—	10·0	7·9	—	—	—	—
A	37	—	—	—	—	2·2	29·0	27·7	41·1	—	39·7	6·7	—	—	—	—
Q 136 E	45	—	—	—	—	2·4	48·8	15·0	33·8	—	—	—	—	—	—	—
D₁	—	−1	1·58	84·2	12·8	3·5	8·5	20·2	67·8	—	76·8	4·8	—	—	—	—
D₂	—	−1	1·58	15·8	—	2·0	42·3	16·9	38·8	—	—	—	—	—	—	—
D	56	—	—	—	—	3·3	13·8	19·7	63·2	—	—	—	—	—	—	—
C₁	—	−1	1·58	55·2	12·0	3·1	13·7	19·5	63·7	—	41·8	5·7	—	—	F	—
C₂	—	−1	1·68	44·8	—	2·1	44·6	16·8	36·5	—	—	—	—	—	—	—
C	80	—	—	—	—	2·7	27·5	18·3	51·5	—	—	—	—	—	—	—
B₁	—	−1	1·58	74·1	11·8	2·9	15·9	20·5	60·7	—	34·9	6·9	—	—	F	—
B₂	—	−1	1·58	25·9	—	2·1	39·1	17·0	41·8	—	—	—	—	—	—	—
B	65	—	—	—	—	2·7	21·9	19·6	55·8	—	—	—	—	—	—	—
A₁	—	−1	1·45	73·0	13·1	3·0	8·1	29·0	59·9	2	87·5	6·0	—	—	2	—
A₂	—	−1	1·45	27·0	—	1·7	39·4	19·9	39·0	—	7·2	7·6	—	—	—	—
A	42	—	—	—	—	2·6	16·6	26·5	54·3	—	65·8	6·0	—	—	—	—
Q 137 C₁	—	−1	1·58	51·9	12·2	2·8	14·2	25·2	57·8	1½	49·4	4·7	—	—	1½Ag	—
C₂	—	−1	1·58	48·1	—	1·9	45·9	15·6	36·6	—	—	—	—	—	—	—
C	41	—	—	—	—	2·4	29·4	20·6	47·6	—	—	—	—	—	—	—
B₁	—	−1	1·58	85·4	12·5	2·5	13·1	24·6	59·8	1½	57·4	7·2	—	—	1½Ag	—
B₂	—	−1	1·58	14·6	—	2·1	46·4	15·5	36·0	—	—	—	—	—	—	—
B	95	—	—	—	—	2·4	18·0	23·3	56·3	—	—	—	—	—	—	—
A₁	—	−1	1·45	88·9	13·5	3·2	8·1	26·8	61·9	2	90·2	5·6	—	—	2	—
A₂	—	−1	1·45	11·1	—	—	41·2	—	—	—	13·7	8·3	—	—	—	—
A	21	—	—	—	—	—	11·8	—	—	—	81·7	5·8	—	—	—	—

BOORGAT 78 : MC CABES VLEY : 1371 BOREHOLE 78

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Grond	5 0	—	Soil.
Moddersteen, vaal, met groot kalsietknolle by 154 vt. 10 dm.	179 10	184 10	Mudstone, grey, with large calcite nodules at 154 ft. 10 in.
Skalie, swart	1 4	186 2	Shale, black.
Glanskool, dungelaag, en pikagtige glanskool, in afwisselende lae; effens piriet- en kalsiethoudend.	2 3	—	Coal, bright, thinly banded, and pitchlike bright coal, in alternating bands; slightly pyritic and calcitic.
Skalie en steenkool	5	—	Shale and coal.
Skalie, vaal, swart en kleiagtig.	5 6	—	Shale, grey, black and clayey.
Glanskool, gelaag, plek-plek skalieagtig.	1 1	—	Coal, bright, banded, shaly in places.
Skalie, swart, fossieldraend ...	5	—	Shale, black, fossiliferous.
Glanskool, gelaag	1 6	—	Coal, bright, banded.
Skalie, vaal en vaalswart ...	3 0	—	Shale, grey and greyish black.
Glanskool, gelaag	1 1	—	Coal, bright, banded.
Skalie, vaal	4	—	Shale, grey.
Glanskool, gelaag	7	—	Coal, bright, banded.
Skalie, vaal	8	—	Shale, grey.
Skalie en gelaagde glanskool ...	1 10	—	Shale and banded, bright coal.
Skalie, vaal, en gelaagde glanskool.	1 10	—	Shale, grey, and banded, bright coal.
Glanskool, gelaag, met 1 dm. lensvormige, bruin skalie 1 dm. van onder af.	1 3	—	Coal, bright, banded, with 1 in. lenticular brown shale 1 in. from bottom.
Skalie en steenkool	1 10	—	Shale and coal.
Glanskool, gelaag, plek-plek pikagtig; 4 dm. fossieldraende skalie 12 dm. van bo af.	3 2	212 11	Coal, bright, banded, pitchlike in parts; 4 in. fossiliferous shale 12 in. from top.
Skalie, vaalswart	4 6	—	Shale, greyish black.
Skalie en steenkool, in afwisselende lae.	7 4	224 9	Shale and coal, in alternating bands.
Glanskool, gelaag, plek-plek pikagtig.	1 2	—	Coal, bright, banded, pitchlike in parts.
Skalie, vaal, fossieldraend ...	1 6	—	Shale, grey, fossiliferous.
Skalie en steenkool	7	—	Shale and coal.
Glanskool, gelaag, skalieagtig by bo-ent en pikagtig in onderste helfte.	3 0	—	Coal, bright, banded, shaly at top and pitch-like in bottom half.
Glanskool, gelaag	1 5	—	Coal, bright, banded.
Skalie, vaal	10	—	Shale, grey.
Glanskool, gelaag	5	—	Coal, bright, banded.
Skalie, vaal	4	—	Shale, grey.
Glanskool, dungelaag, en skalie.	3 4	—	Coal, bright, thinly banded, and shale.
Glanskool, gelaag, en skalie ...	2 5	—	Coal, bright, banded, and shale.
Glanskool, gelaag, piriethoudend by onderent.	2 8	—	Coal, bright, banded, pyritic at bottom.
Skalie, koolstofhoudend, met 'n glyvlak.	6	—	Shale, carbonaceous, with a slip plane.
Glanskool, skalieagtig by onderent.	7	—	Coal, bright, shaly at bottom.
Skalie, swart, met glyvlakke ...	11	—	Shale, black, with slip planes.
Glanskool, gelaag, skalieagtig in onderste helfte.	1 11	—	Coal, bright, banded, shaly in bottom half.
Skalie, swart	3	—	Shale, black.
Glanskool, gelaag, pikagtig, met 2 dm. swart skalie in middel.	3 3	—	Coal, bright, banded, with 2 in. black shale in middle.

Bg. 78 (*Verv.*) B.H. 78 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Glanskool, gelaag	1	3	251	1	**Coal,** bright, banded.
Skalie en steenkool	1	3	252	5	Shale and coal.
Skalie, met steenkoollagies	3	2	—		Shale, with coal bands.
Skalie en steenkool	2	0	257	7	Shale and coal.
Glanskool, gelaag, en skalie		10	—		**Coal,** bright, banded, and shale.
Skalie, swart		2	—		Shale, black.
Glanskool, gelaag		5	—		**Coal,** bright, banded.
Skalie, swart		3	—		Shale, black.
Glanskool, gelaag, pikagtig, en piriethoudend na onder.	1	10	—		**Coal,** bright, banded, pitch-like and pyritic towards bottom.
Glanskool, erg piriethoudend	1	5	262	6	**Coal,** bright, very pyritic.
Skalie, swart, met vier 3-dm. tot 5-dm. steenkoollagies.	9	0	—		Shale, black, with four 3-in. to 5-in. coal bands.
Glanskool, gelaag, effens piriethoudend.	2	0	—		**Coal,** bright, banded, slightly pyritic.
Skalie, swart en koolstofhoudend, met 'n 12-dm. laag gemengde steenkool en skalie en baie steenkoolstrepies.	4	2	277	8	Shale, black and carbonaceous, with a 12-in. band mixed coal and shale, with many coal stringers.
Glanskool, gelaag		9	—		**Coal,** bright, banded.
Skalie, swart		5	—		Shale, black.
Glanskool, gelaag, en skalie		5	—		**Coal,** bright, banded, and shale.
Skalie, swart		3	—		Shale, black.
Glanskool, gelaag, met 'n dun moddersteenlagie in middel.	1	3	—		**Coal,** bright, banded, with a thin mudstone band in middle.
Skalie, swart, met 'n steenkoollagie.	1	7	—		Shale, black, with a coal band.
Glanskool, gelaag en skalie	3	1	—		**Coal,** bright, banded, and shale.
Skalie, swart	1	6	—		Shale, black.
Glanskool, dungelaag, en skalie, gemeng, met enkele skalielae.	7	9	294	8	**Coal,** bright, thinly banded, and shale, mixed, with an occasional shale band.
Skalie en steenkool	8	7	—		Shale and coal.
Skalielae en steenkoollae om die beurt; hoofsaaklik skalie; steenkoollae is erg sideriethoudend.	18	10	322	1	Shale bands and coal bands, alternating; mainly shale; coal bands are very sideritic.
Glanskool, gelaag	1	2	—		**Coal,** bright, banded.
Skalielae en steenkoollae om die beurt.	7	1	—		Shale bands and coal bands, alternating.
Glanskool, gelaag, pikagtig en bevat sideriektkorrels in onderste helfte.	2	4	—		**Coal,** bright, banded, pitch-like and contains siderite pellets in bottom half.
Skalie en steenkool	1	9	—		Shale and coal.
Skalie, swart	14	8	349	1	Shale, black.
Glanskool, gelaag, skalieagtig en sideriethoudend.	3	0	—		**Coal,** bright, banded, shaly and sideritic.
Skalie, met enkele steenkoollagies.	12	9	364	10	Shale, with occasional coal bands.
Glanskool, gelaag, met 'n 2-dm. fossieldraende swart skalielagie in middel.	1	4	—		**Coal,** bright, banded, with a 2-in. fossiliferous black shale band in middle.
Skalie, swart, met glyvlakke		7	—		Shale, black, with slip planes.
Glanskool, gelaag, met enkele swart skalielagies.	2	11	369	8	**Coal,** bright, banded, with occasional black shale bands.
Skalie, koolstofhoudend, met 'n paar steenkoolagtige skalielagies en elf 3-dm. tot 8-dm. steenkoollagies.	32	0	401	8	Shale, carbonaceous, with a few coaly shale bands and eleven 3-in. to 8-in. coal bands.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, steenkoolagtig, en skalie, met 'n glyvlak 12 dm. van onder af.	6	6	—		Shale, coaly, and shale, with a slip plane 12 in. from bottom.
Skalie, steenkoolagtig, en swart skalie.	2	2	410	4	Shale, coaly, and black shale.
Matkool, swaar, skalieagtig ...	4	11	—		**Coal,** dull, heavy, shaly.
Steenkool, gemeng	1	11	—		**Coal,** mixed.
Glanskool, gelaag, piriethoudend.	1	0	—		**Coal,** bright, banded, pyritic.
Steenkool; gemende lae met 'n 1-dm. moddersteenlaag naby bo-ent.	1	3	—		**Coal;** mixed bands with a 1-in. mudstone band near top.
Matkool, swaar	1	0	420	5	**Coal,** dull, heavy.
Skalie, steenkoolagtig; gaan oor in vaal skalie.		11	—		Shale, coaly; changes into grey shale.
Skalie		5	—		Shale.
Matkool, swaar	1	0	—		**Coal,** dull, heavy.
Skalie, vaal en ligbruin, fossieldraend.	4	4	—		Shale, grey and light-brown, fossiliferous.
Skalie en skalieagtige steenkool.	4	2	431	3	Shale and coaly shale.
Skalie, swart, koolstofhoudend en vaal.	8	9	—		Shale, black, carbonaceous and grey.
Sandsteen, fynkorrelrig, vaal en swart, koolstofhoudend, fyngelaag.	5	1	445	1	Sandstone, fine-grained, grey and black, carbonaceous, finely laminated.
Skalie, swart, met 9 dm. steenkoolagtige skalie in middel.	5	6	—		Shale, black, with 9 in. coaly shale in middle.
Skalie en steenkoolagtigeskalie.	8	7	459	2	Shale and coaly shale.
Skalie, ligbruin tot vaalbruin ...	2	8	—		Shale, light-brown to greyish brown.
Skalie, koolstofhoudend	2	3	—		Shale, carbonaceous.
Skalie, vaalbruin	5	0	469	1	Shale, greyish brown.
Matkool, swaar, met 'n glyvlak 5 dm. van bo af.	4	7	—		**Coal,** dull, heavy, with a slip plane 5 in. from top.
Skalie en steenkoolagtige skalie.	1	4	—		Shale and coaly shale.
Matkool, swaar, piriethoudend, met 'n glyvlak by onderent.	2	0	—		**Coal,** dull, heavy, pyritic, with a slip plane at bottom.
Matkool, skalieagtig	1	6	—		**Coal,** dull, shaly.
Matkool	3	9	—		**Coal,** dull.
Skalie, steenkoolagtig		5	—		Shale, coaly.
Matkool, met enkele glanskoolstrepies.	4	2	—		**Coal,** dull, with occasional bright coal stringers.
Moddersteen, koolstofhoudend, piriethoudend.		3	—		Mudstone, carbonaceous, pyritic.
Steenkool, gemeng, gelaag, erg piriethoudend in middel; meer glansend by onderent.	3	8	490	9	**Coal,** mixed, banded, very pyritic in middle; brighter at bottom.
Sandsteen, fynkorrelrig, vaal tot vaalbruin, effens mikadraend, gelaag.	8	3	—		Sandstone, fine-grained, grey to greyish brown, slightly micaceous, laminated.
Sandsteen, middelkorrelrig, vaal en swart, met 1 dm. steenkool 8 dm. van onder af.	2	6	501	6	Sandstone, medium-grained, grey and black, with 1 in. coal 8 in. from bottom.
Matkool, met enkele glanskoollagies; plek-plek swaar.	7	10	—		**Coal,** dull, with occasional bright coal bands; heavy in parts.
Moddersteen		1	—		Mudstone.
Steenkool; hoofsaaklik matkool, met 1 dm. koolstofhoudende moddersteen 8 dm. van onder af.	4	7	—		**Coal;** mainly dull, with 1 in. carbonaceous mudstone 8 in. from bottom.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Kalsiet en steenkool	1	514 1	Calcite and coal.
Sandsteen, erg fynkorrelrig, gelaag, vaal tot vaalbruin, mikadraend, met dun, middelkorrelrige sandsteenlagies in onderste helfte.	23 8	—	Sandstone, very fine-grained, laminated, grey to greyish brown, micaceous, with thin medium - grained sandstone bands in bottom half.
Sandsteen; afwisselende lagies swart, skalieagtige sandsteen en vuilwit tot grys, middel- tot grofkorrelrige sandsteenlagies.	4 0	—	Sandstone; alternating bands of black, shaly sandstone and dirty white to grey, medium- to coarse-grained sandstone bands.
Sandsteen, grofkorrelrig, wit, veldpaties.	3 2	544 11	Sandstone, coarse-grained, white, felspathic.
Matkool, glansend in onderste 7 dm.	1 8	546 7	**Coal,** dull, lustrous in bottom 7 in.
Sandsteen, middelkorrelrig, swart, koolstofhoudend.	3	—	Sandstone, medium-grained, black, carbonaceous.
Skalie, swart, sanderig	11	—	Shale, black, sandy.
Sandsteen, grofkorrelrig, wit tot vaal.	5 0	552 9	Sandstone, coarse-grained, white to grey.

BOORGAT 78 : MC CABES VLEY 1371 : BOREHOLE 78

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 169	N.G.	16	186 2	N.S.
E	**Glanskool,** dungelaag, en pikagtige glanskool, in afwisselende lae; effens piriet- en kalsiethoudend.	27	—	**Coal,** bright, thinly banded, and pitch - like bright coal, in alternating bands; slightly pyritic and calcitic.
	N.G.	5	—	N.S.
	N.G.	65	—	N.S.
D	**Glanskool,** gelaag, plekplek skalieagtig.	13	—	**Coal,** bright, banded, shaly in places.
	N.G.	5	—	N.S.
	Glanskool, gelaag ...	18	—	**Coal,** bright, banded.
	N.G.	36	—	N.S.
C	**Glanskool,** gelaag ...	13	—	**Coal,** bright, banded.
	N.G.	4	—	N.S.
	Glanskool, gelaag ...	7	—	**Coal,** bright, banded.
	N.G.	8	—	N.S.
	N.G.	22	—	N.S.
	N.G.	22	—	N.S.
B	**Glanskool,** gelaag, met 1 dm. lensvormige bruin skalie 1 dm. van onder af.	15	—	**Coal,** bright, banded, with 1 in. lenticular brown shale 1 in. from bottom.
	N.G.	22	—	N.S.
A	**Glanskool,** gelaag, plekplek pikagtig; 4 dm. fossieldraende skalie 12 dm. van bo af.	38	212 11	**Coal,** bright, banded, pitch-like in parts; 4 in. fossiliferous shale 12 in. from top.

Bg. 78 (*Verv.*) B.H. 78 (*Contd.*)

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 170	N.G.	88	224 9	N.S.
J	**Glanskool**, gelaag, plekplek pikagtig.	14	—	**Coal**, bright, banded, pitch-like in parts.
	N.G.	18	—	N.S.
	N.G.	7	—	N.S.
H	**Glanskool**, gelaag, skalieagtig by bo-ent en pikagtig in onderste helfte.	36	—	**Coal**, bright, banded, shaly at top and pitch-like in bottom half.
	Glanskool, gelaag	17	—	**Coal**, bright, banded.
	N.G.	10	—	N.S.
	N.G.	5	—	N.S.
	N.G.	4	—	N.S.
G	**Glanskool**, dungelaag, en skalie.	40	—	**Coal**, bright, thinly banded, and shale.
F	**Glanskool**, gelaag, en skalie.	29	—	**Coal**, bright, banded, and shale.
E	**Glanskool**, gelaag, piriethoudend by onderent.	32	—	**Coal**, bright, banded, pyritic at bottom.
	N.G.	6	—	N.S.
D	**Glanskool**, skalieagtig by onderent.	7	—	**Coal**, bright, shaly at bottom.
	N.G.	11	—	N.S.
C	**Glanskool**, gelaag, skalieagtig in onderste helfte.	23	—	**Coal**, bright, banded, shaly in bottom half.
	N.G.	3	—	N.S.
B	**Glanskool**, gelaag, pikagtig, met 2 dm. swart skalie in middel.	39	—	**Coal**, bright, banded, pitch-like, with 2 in. black shale in middle.
A	**Glanskool**, gelaag	15	251 1	**Coal**, bright, banded.
Q 171	N.G.	24	257 7	N.S.
F	**Glanskool**, gelaag, en skalie.	10	—	**Coal**, bright, banded, and shale.
	N.G.	2	—	N.S.
E	**Glanskool**, gelaag	5	—	**Coal**, bright, banded.
	Skalie, swart	3	—	Shale, black.
	Glanskool, gelaag, pikagtig, piriethoudend na onder.	22	—	**Coal**, bright, banded, pitch-like, pyritic towards bottom.
	N.G.	17	—	N.S.
	N.G.	108	—	N.S.
D	**Glanskool**, gelaag, effens piriethoudend.	24	—	**Coal**, bright, banded, slightly pyritic.
	N.G.	50	—	N.S.
C	**Glanskool**, gelaag	9	—	**Coal**, bright, banded.
	Skalie, swart	5	—	Shale, black.
	Glanskool, gelaag, en skalie.	5	—	**Coal**, bright, banded, and shale.
	Skalie, swart	3	—	Shale, black.
	Glanskool, gelaag, met 'n dun moddersteenlagie in middel.	15	—	**Coal**, bright, banded, with a thin mudstone band in middle.
	N.G.	19	—	N.S.
B	**Glanskool**, gelaag, en skalie.	37	—	**Coal**, bright, banded, and shale.
	N.G.	18	—	N.S.
A	**Glanskool**, dungelaag, en skalie, gemeng, met enkele skalielae.	93	294 8	**Coal**, bright, thinly banded, and shale, mixed, with an occasional shale band.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 172	N.G.	—	322 1	N.S.
E	Glanskool, gelaag ...	14	—	Coal, bright, banded.
	N.G.	85	—	N.S.
D	Glanskool, gelaag, pikagtig en bevat sierietkorrels in onderste helfte.	28	—	Coal, bright, banded, pitch-like and contains siderite pellets in bottom half.
	N.G.	21	—	N.S.
	N.G.	176	—	N.S.
C	Glanskool, gelaag, skalieagtig en sideriethoudend.	36	—	Coal, bright, banded, shaly and sideritic.
	N.G.	153	—	N.S.
B	Glanskool, gelaag, met 'n 2-dm. fossieldraende swart skalielagie in middel.	16	—	Coal, bright, banded, with a 2-in. fossiliferous black shale band in middle.
	N.G.	7	—	N.S.
A	Glanskool, gelaag, met enkele swart skalielagies.	35	369 8	Coal, bright, banded, with occasional black shale bands.
Q 173	N.G.	26	410 4	N.S.
E	Matkool, swaar, skalieagtig.	59	—	Coal, dull, heavy, shaly.
D	Steenkool, gemeng ...	23	—	Coal, mixed.
C	Glanskool, gelaag, piriethoudend.	12	—	Coal, bright, banded, pyritic.
B	Steenkool, gemengde lae, met 'n 1-dm. moddersteenlaag naby bo-ent.	15	—	Coal, mixed bands, with a 1-in. mudstone band near top.
A	Matkool, swaar	12	420 5	Coal, dull, heavy.
Q 174	N.G.	60	469 1	N.S.
H	Matkool, swaar, met 'n glyvlak 5 dm. van bo af.	55	—	Coal, dull, heavy, with a slip plane 5 in. from top.
	N.G.	16	—	N.S.
G	Matkool, swaar, piriethoudend, met 'n glyvlak by onderent.	24	—	Coal, dull, heavy, pyritic with a slip plane at bottom.
	Matkool, skalieagtig ...	18	—	Coal, dull, shaly.
F	Matkool	45	—	Coal, dull.
	N.G.	5	—	N.S.
E	Matkool, met enkele glanskoolstrepies.	50	—	Coal, dull, with occasional bright coal streaks.
	N.G.	3	—	N.S.
D	Steenkool, gemeng, gelaag, erg piriethoudend in middel en meer glansend by onderent.	44	—	Coal, mixed, banded, very pyritic in middle and brighter at bottom.
	N.G.	99	—	N.S.
	N.G.	30	501 6	N.S.
C	Matkool, met enkele glanskoollagies; plekplek swaar.	94	—	Coal, dull, with occasional bright coal bands; heavy in parts.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
	N.G.	1	—	N.S.
B	**Steenkool**; hoofsaaklik matkool, met 1 dm. koolstofhoudende moddersteen 8 dm. van onder af.	55	—	**Coal**; mainly dull coal, with 1 in. carbonaceous mudstone 8 in. from bottom.
	N.G.	1	514 1	N.S.
	N.G.	284	—	N.S.
	N.G.	48	—	N.S.
	N.G.	38	—	N.S.
A	**Matkool**, glansend in onderste 7 dm.	20	546 7	**Coal**, dull, lustrous in bottom 7 in.

BOORGAT 78 : MC CABES VLEY 1371 : BOREHOLE 78

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	Wastoets Washing Test Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	Kortanalises (Luggedroogde steenkool) Proximate Analyses (Air-dried coal) V.w. Cal. val. lb./lb.	H$_2$O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Soortlike Gewig-Afskeiding (−16 maas B.S.S.) Specific Gravity Separation (−16 mesh B.S.S.) Dryfsel, 1·45 Float, 1·45 Opbrengs Yield %	As Ash %	Dryfsel, 1·58 Float, 1·58 Opbrengs Yield %	As Ash %	Sw.-syfer Swelling number Dryfsel Float 1·45	1·58
Q 169 E$_1$	—	−1	1·45	59·6	—	2·5	16·0	36·6	44·9	3½	77·1	9·9	—	—	4½	—
E$_2$	—	−1	1·45	40·4	—	2·0	35·2	29·6	33·2	—	14·0	9·5	—	—	4	—
E	27	—	—	—	—	2·3	23·8	33·7	40·2	—	51·6	9·9	—	—	4½	—
D$_1$	—	−1	1·45	42·0	—	2·8	17·8	34·7	44·7	3	65·7	8·9	—	—	4½	—
D$_2$	—	−1	1·45	58·0	—	2·3	34·8	28·2	34·7	—	18·8	10·7	—	—	3½	—
D	31	—	—	—	—	2·5	27·7	31·0	41·6	—	38·5	9·4	—	—	4	—
C$_1$	—	−1	1·45	60·3	—	2·9	14·7	36·2	46·2	4½	44·1	7·8	—	—	5½	—
C$_2$	—	−1	1·45	39·7	—	2·2	32·7	30·2	34·9	—	24·8	9·5	—	—	4	—
C	20	—	—	—	—	2·6	26·3	33·8	37·3	—	36·4	8·3	—	—	5	—
B$_1$	—	−1	1·45	70·0	—	2·8	17·0	33·7	46·5	2½	65·9	8·6	—	—	4½	—
B$_2$	—	−1	1·45	30·0	—	2·3	33·3	29·4	35·0	—	17·1	11·1	—	—	3	—
B	14	—	—	—	—	2·7	21·9	32·4	43·0	—	51·3	8·9	—	—	4	—
A$_1$	—	−1	1·45	54·9	—	2·9	15·2	34·9	47·0	3½	78·5	9·4	—	—	4	—
A$_2$	—	−1	1·45	45·1	—	1·9	51·3	23·5	23·3	—	14·9	9·0	—	—	3½	—
A	38	—	—	—	—	2·4	31·5	29·8	37·2	—	49·8	9·3	—	—	4	—
Q 170 J	14	—	—	—	11·6	3·4	15·8	32·2	48·6	—	71·1	5·9	—	—	3	—
H$_1$	—	−1	1·45	67·6	12·2	3·6	13·1	32·9	50·4	3½	83·9	8·7	—	—	4	—
H$_2$	—	−1	1·45	32·4	—	2·9	34·3	26·1	36·7	—	28·7	8·9	—	—	3	—
H	53	—	—	—	—	3·3	20·0	30·7	46·0	—	66·0	8·7	—	—	3½	—
G$_1$	—	−1	1·45	26·7	11·5	3·1	17·2	31·9	47·8	3	67·7	6·8	—	—	3½	—
G$_2$	—	−1	1·45	73·3	—	2·6	42·5	24·3	30·6	—	12·6	9·9	—	—	3	—
G	40	—	—	—	—	2·8	35·8	26·3	35·1	—	27·3	7·8	—	—	3	—
F$_1$	—	−1	1·45	31·5	11·6	2·9	16·4	34·0	46·7	2½	67·4	6·3	—	—	4	—
F$_2$	—	−1	1·45	68·5	—	2·8	35·5	35·6	26·1	—	27·7	9·2	—	—	3	—
F	29	—	—	—	—	2·8	29·5	35·1	32·6	—	40·2	7·7	—	—	3½	—

Bg. 78 (*Verv.*) B.H. 78 (*Contd.*)

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Opbrengs Yield %	As Ash %	Opbrengs Yield %	As Ash %	1·45	1·58
Q 170 E_1	—	−1	1·45	63·0	12·0	2·7	14·4	34·3	48·6	3	74·9	8·4	—	—	4	—
E_2	—	−1	1·45	37·0	—	1·9	37·9	28·1	32·1	—	15·5	10·3	—	—	3	—
E	32	—	—	—	—	2·4	23·1	32·0	42·5	—	52·9	8·6	—	—	4	—
D	7	—	—	—	—	2·3	34·2	26·4	37·1	—	35·3	7·8	—	—	3	—
C_1	—	−1	1·45	65·8	12·2	2·8	13·0	33·9	50·3	3	84·4	8·0	—	—	3½	—
C_2	—	−1	1·45	34·2	—	2·0	36·4	26·5	35·1	—	28·2	8·8	—	—	3	—
C	23	—	—	—	—	2·5	21·0	31·4	45·1	—	65·1	8·1	—	—	3½	—
B_1	—	−1	1·45	53·5	12·4	2·6	12·3	34·4	50·7	4	85·2	7·4	—	—	4	—
B_2	—	−1	1·45	46·5	—	1·9	42·1	24·9	31·1	—	23·0	9·4	—	—	3	—
B	39	—	—	—	—	2·3	26·2	30·0	45·5	—	56·3	7·8	—	—	3½	—
A_1	—	−1	1·45	62·7	12·2	2·6	14·7	35·3	47·4	3	79·4	8·2	—	—	4	—
A_2	—	−1	1·45	37·3	—	2·1	37·9	27·7	32·3	—	21·6	9·1	—	—	3	—
A	15	—	—	—	—	2·4	23·3	32·4	41·7	—	57·9	8·3	—	—	3½	—
Q 171 F	10	—	—	—	—	2·9	35·1	24·6	37·4	—	27·2	11·4	—	—	3	—
E_1	—	−1	1·45	59·4	12·0	2·4	16·2	34·5	46·9	2½	77·5	10·1	—	—	3½	—
E_2	—	−1	1·45	40·6	—	2·1	46·7	21·3	29·9	—	14·9	12·3	—	—	4½	—
E	30	—	—	—	—	2·3	28·6	29·1	40·1	—	52·1	10·7	—	—	3½	—
D	24	—	—	—	10·8	2·4	23·8	36·2	37·6	—	53·2	8·8	—	—	4	—
C	37	—	—	—	—	2·8	33·8	25·5	37·9	—	31·3	8·7	—	—	3	—
B_1	—	−1	1·45	47·8	12·2	3·6	13·9	31·5	51·0	3	75·6	7·0	—	—	3½	—
B_2	—	−1	1·45	52·2	—	1·5	42·5	24·0	32·0	—	11·7	9·3	—	—	1½Ag	—
B	37	—	—	—	—	2·5	28·8	27·6	41·1	—	42·2	7·3	—	—	—	—
A	93	—	—	—	—	2·4	36·7	24·2	36·7	—	25·1	8·4	—	—	2½	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Opbrengs Yield %	As Ash %	Opbrengs Yield %	As Ash %	1·45	1·58
Q 172 E	14	—	—	—	—	2·4	24·4	30·3	42·9	2½	45·3	9·1	—	—	4½	—
D_1	—	−1	1·45	49·1	—	2·9	13·1	35·1	48·9	2½	87·1	9·3	—	—	4	—
D_2	—	−1	1·45	50·9	—	2·1	37·8	20·6	39·5	—	28·2	8·7	—	—	5	—
D	28	—	—	—	—	2·5	25·6	27·7	44·2	—	57·1	9·1	—	—	4	—
C_1	—	−1	1·45	41·5	—	3·0	13·9	34·7	48·4	2½	77·2	6·9	—	—	4	—
C_2	—	−1	1·45	58·5	—	2·2	32·5	27·4	37·9	—	18·3	9·1	—	—	3½	—
C	36	—	—	—	—	2·5	24·8	30·4	42·3	—	42·7	7·5	—	—	4	—
B_1	—	−1	1·45	63·2	—	2·5	8·8	36·2	52·5	3½	89·5	6·5	—	—	3½	—
B_2	—	−1	1·45	36·8	—	1·6	57·0	19·6	21·8	—	6·7	8·3	—	—	—	—
B	16	—	—	—	—	2·2	26·6	30·1	41·1	—	59·0	6·6	—	—	—	—
A_1	—	−1	1·45	39·9	—	3·1	11·5	35·0	50·4	—	86·5	6·9	—	—	3	—
A_2	—	−1	1·45	60·1	—	1·5	52·5	20·9	25·1	—	8·3	9·3	—	—	3½	—
A	35	—	—	—	—	2·1	36·6	35·1	39·5	—	39·5	7·2	—	—	3	—
Q 173 E	59	—	—	—	—	2·3	35·0	20·4	42·3	—	10·0	9·4	—	—	—	—
D_1	—	−1	1·45	32·6	—	2·6	10·7	31·4	55·3	1½Ag	81·1	6·2	—	—	2	—
D_2	—	−1	1·45	67·4	—	1·6	34·9	24·8	38·7	—	13·3	8·4	—	—	1½Ag	—
D	23	—	—	—	—	1·9	27·0	27·0	44·1	—	35·4	6·8	—	—	—	—
C_1	—	−1	1·45	57·6	—	2·4	11·9	34·8	50·9	2½	87·3	7·6	—	—	3	—
C_2	—	−1	1·45	42·4	—	1·6	37·2	24·6	36·6	—	16·1	9·1	—	—	2	—
C	12	—	—	—	—	2·1	22·6	30·5	44·8	—	57·1	7·8	—	—	3	—
B_1	—	−1	1·45	19·6	—	2·7	11·2	35·5	50·6	2½	83·6	5·5	—	—	3½	—
B_2	—	−1	1·45	80·4	—	1·7	42·2	25·7	30·4	—	16·8	7·5	—	—	2	—
B	15	—	—	—	—	1·9	36·1	27·6	34·4	—	29·9	6·4	—	—	3	—
A	12	—	—	—	—	2·0	41·2	21·8	35·0	—	11·5	9·1	—	—	1½Ag	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q174 H_1	—	−1	1·58	69·5	12·4	3·8	11·5	21·0	63·7	P	64·1	5·1	—	—	P	—
H_2	—	−1	1·58	30·5	—	—	42·9	—	—	—	5·0	6·9	—	—	—	—
H	55	—	—	—	—	—	21·1	—	—	—	46·2	5·2	—	—	—	—
G	42	—	—	—	—	—	35·9	—	—	—	8·9	7·9	—	—	—	—
F_1E_1	—	−1	1·58	82·4	11·3	3·3	18·2	18·9	59·6	P	26·0	7·5	—	—	1F	—
F_2E_2	—	−1	1·58	17·6	—	—	38·3	—	—	—	3·9	8·5	—	—	—	—
FE	95	—	—	—	—	—	21·8	—	—	—	22·1	7·5	—	—	—	—
D_1	—	−1	1·45	73·6	13·0	3·1	9·4	27·0	60·5	F	84·7	6·7	—	—	1½Ag	—
D_2	—	−1	1·45	26·4	—	—	37·4	—	—	—	9·2	8·9	—	—	—	—
D	44	—	—	—	—	—	16·8	—	—	—	64·8	6·8	—	—	—	—
C_1	—	−1	1·58	73·3	12·0	2·9	15·2	25·5	56·4	P	32·1	8·3	—	—	1½Ag	—
C_2	—	−1	1·58	26·7	—	—	40·9	—	—	—	5·0	—	—	—	—	—
C	94	—	—	—	—	—	22·1	—	—	—	24·9	—	—	—	—	—
B_1	—	−1	1·58	47·3	12·4	2·8	13·9	23·5	59·8	P	67·7	9·7	—	—	1½Ag	—
B_2	—	−1	1·58	52·7	—	—	41·1	—	—	—	3·3	12·1	—	—	—	—
B	55	—	—	—	—	—	28·2	—	—	—	33·5	9·8	—	—	—	—
A_1	—	−1	1·58	78·1	12·5	2·8	14·0	24·9	58·3	F	70·5	8·0	—	—	2	—
A_2	—	−1	1·58	21·9	—	—	54·5	—	—	—	11·6	9·3	—	—	2	—
A	20	—	—	—	—	—	22·9	—	—	—	57·6	8·1	—	—	—	—

BOORGAT 79 : VAALPENSLOOP 722 : BOREHOLE 79

Kern 3½ dm.

Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. Ft. In.	Vt. Dm. Ft. In.	
Moddersteen, met 'n kalsietlaag op 158 vt.	170 7	170 7	Mudstone, with a calcite band at 158 ft.
Skalie, vaal en swart, plek-plek kleiagtig, met twee 3-dm. tot 4-dm. vuil steenkoollagies (kern erg gebreek en ongeveer 30 dm. word vermis).	11 2	184 3	Shale, grey and black, clayey in places, with two 3-in. to 4-in. dirty coal bands (core badly broken and approximately 30 in. missing).
Glanskool, dungelaag, pikagtig en skalieagtig (kern erg gebreek).	1 2	—	**Coal,** bright, thinly banded, pitchlike and shaly (core badly broken).
Skalie, koolstofhoudend, met 7-dm. en 10-dm. steenkoollagies (kern erg gebreek en 12 dm. word vermis).	3 1	—	Shale, carbonaceous, with two 7-in. and 10-in. coal bands (core badly broken and 12 in. missing).
Glanskool, gelaag, en skalie, in afwisselende lae; plek-plek pikagtig en met vaal skalie (kern erg gebreek).	5 6	—	**Coal,** bright, banded, and shale, in alternating bands; pitchlike in places and with grey shale (core badly broken).
Skalie, vaal	3	195 3	Shale, grey.
Holte van 2 vt. 10 dm.	2 10	198 1	Cavity of 2 ft. 10 in.
Glanskool, gelaag (4 dm. kernverlies).	1 4	—	**Coal,** bright, banded (4 in. core-loss).
Skalie, vaal en vaalswart, kleiagtig (8 dm. kernverlies).	4 1	—	Shale, grey and greyish black, clayey (8 in. core-loss).
Glanskool, gelaag, en skalie ...	1 10	—	**Coal,** bright, banded, and shale.
Skalie, vaal en swart, met enkele steenkoolstrepies.	1 6	—	Shale, grey and black, with occasional coal stringers.
Glanskool, gelaag, en skalie (kern erg gebreek).	10	—	**Coal,** bright, banded, and shale (core badly broken.
Glanskool, gelaag, skalieagtig ...	8	—	**Coal,** bright, banded, shaly.
Skalie, swart	10	—	Shale, black.
Glanskool	3	—	**Coal,** bright.
Skalie, vaal	9	—	Shale, grey.
Moddersteen	3	—	Mudstone.
Glanskool	4	—	**Coal,** bright.
Skalie, vaal	9	—	Shale, grey.
Glanskool, gelaag (onderste 6 dm. erg gebreek en 16 dm. kernverlies).	1 8	215 6	Coal, bright, banded (bottom 6 in. badly broken and 16 in core-loss).
Skalie, vaal en swart, met enkele steenkoollagies.	1 6	217 0	Shale, grey and black, with occasional coal bands.
Glanskool, gelaag, en skalie (kern gebreek).	4 9	—	**Coal,** bright, banded (core broken).
Skalie, koolstofhoudend	3	—	Shale, carbonaceous.
Glanskool, gelaag, en skalie (kern gebreek).	1 5	—	**Coal,** bright, banded, and shale (core broken).
Glanskool, gelaag, plek-plek pikagtig, met 2 dm. vaal skalie in middel en 1 dm. vaal skalie 2 dm. van onder af; glyvlakke in onderste helfte (kern gebreek en 33 dm. kernverlies tussen 217 vt. en 229 vt.).	2 10	229 0	**Coal,** bright, banded, pitchlike in parts, with 2 in. grey shale in middle and 1 in. grey shale 2 in. from bottom; slip plane in bottom half (core broken and 33 in. core-loss between 217 ft. and 229 ft.).
Skalie, swart, met 'n paar 4-dm. steenkoollagies (kern is erg gebreek en 1 vt. 6 dm. kernverlies)	6 11	237 5	Shale, black with a few 4-in. coal bands (core is badly broken and 1 ft. 6 in. core-loss).

Bg. 79 (*Verv.*) B.H. 79 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Glanskool, gelaag, met 3 dm. skalie 17 dm. van bo af en baie glyvlakke (kern erg gebreek).	2	9	—		**Coal,** bright, banded, with 3 in. shale 17 in. from top and many slip planes (core badly broken).
Skalie, swart, en steenkool, gesny deur glyvlakke (kern gebreek).	1	3	—		Shale, black, and coal; cut by slip planes (core broken).
Glanskool, gelaag, plek-plek skalieagtig, en gesny deur glyvlakke (kern gebreek en 1 vt. 9 dm. kernverlies tussen 237 vt. 5 dm. en 244 vt. 2 m.).	1	0	244	2	**Coal,** bright, banded, shaly in places and cut by slip planes (core broken and 1 ft. 9 in. core-loss between 237 ft. 5 in. and 244 ft. 2 in.).
Skalie, swart, met enkele dun steenkoollagies; boonste helfte deurkruis met glyvlakke (2 vt. 7 dm. kernverlies en kern erg gebreek).	4	5	251	2	Shale, black, with occasional thin coal bands; top half is intersected by slip planes (2 ft. 7 in. core-loss and core badly broken).
Skalie en steenkool		3	—		Shale and coal.
Glanskool, gelaag, en skalie; erg gesny deur glyvlakke (30 persent kernverlies).	1	0	252	10	**Coal,** bright, banded, and shale; very badly cut by slip planes (30 per cent. core-loss).
Skalie, swart	3	0	255	10	Shale, black.
Glanskool, gelaag, en skalie; kern gesny deur glyvlakke (kern gebreek en gedeelte word vermis).	2	2	—		**Coal,** bright, banded, and shale; core cut by slip planes (core broken and some missing).
Skalie, swart, met twee steenkoollae van onsekere dikte (kern gebreek en 1 vt. 4 dm. kernverlies).	4	6	264	0	Shale, black, with two coal bands of uncertain width (core broken and 1 ft. 4 in. core-loss).
Glanskool, gelaag, plek-plek skalieagtig, met 3 dm. vaal skalie in middel (kern plek-plek gebreek en kernverlies van 2 dm.).	2	2	266	4	**Coal,** bright, banded, shaly in places, with 3 in. grey shale in middle (core broken in places and 2 in. core-loss).
Skalie		8	—		Shale.
Glanskool, gelaag, en skalie ...	3	10	270	10	**Coal,** bright, banded, and shale.
Skalie en steenkool	1	10	272	8	Shale and coal.
Glanskool, dungelaag, en skalie; kern plek-plek gebreek.	2	6	—		**Coal,** bright, thinly banded, and shale; core broken in places.
Skalie, vaal		1	—		Shale, grey.
Glanskool, gelaag, en skalie, met 'n 2-dm. vaal skalielaag; bevat glyvlakke 4 dm. van onder af (7 dm. kernverlies).	2	9	278	7	**Coal,** bright, banded, and shale, with a 2-in. grey shale band; contains slip planes 4 in. from bottom (7 in. core-loss).
Skalie, swart, en koolstofhoudende skalie, met baie steenkoollagies van 1 dm. tot 6 dm. en twee van 9 dm. en 12 dm.; steenkool is erg sideriet- en piriethoudend; effens kalsiethoudend met glyvlakke 6 dm. van bo af (kern is erg gebreek en kernverlies van 2 vt. 5 dm.).	22	0	303	0	Shale, black, and carbonaceous shale, with many coal bands from 1 in. to 6 in. and two of 9 in. and 12 in; coal is very sideritic and pyritic; slightly calcitic with slip planes 6 in. from top (core is badly broken and core-loss of 2 ft. 5 in.).
Glanskool, pikagtig		2	—		**Coal,** bright, pitch-like.
Skalie, vaal		2	—		Shale, grey.
Glanskool, gelaag		4	—		**Coal,** bright, banded.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Glanskool, dungelaag		5	—		**Coal,** bright, thinly banded.
Glanskool, gelaag, skalieagtig, piriet- en kalsiethoudend.		10	304	11	**Coal,** bright, banded, shaly, pyritic and calcitic.
Skalie, met glyvlakke		1	305	0	Shale, with slip planes.
Skalie, swart, en koolstofhoudend, met sewe 2-dm. tot 6-dm. steenkoollagies.	5	8	311	7	Shale, black and carbonaceous, with seven 2-in. to 6-in. coal bands.
Glanskool, gelaag, plek-plek skalieagtig; piriethoudend by onderent.	3	1	—		**Coal,** bright, banded, shaly in places; pyritic at bottom.
Skalie, swart en koolstofhoudend, skynbaar met vier steenkoollagies van onbekende dikte; dikte onbekend weens verlore en gebreekte kern; onderste deel vol glyvlakke (8 vt. 6 dm. kernverlies).	9	0	332	2	Shale, black and carbonaceous, apparently with four coal bands of unknown width; width unknown owing to lost and broken core: bottom portion full of slip planes (8 ft. 6 in. core-loss).
Steenkool, gemeng, met enkele skalielagies (kern erg gebreek met ongeveer 60 persent kernwins).	±3	4	—		**Coal,** mixed, with occasional shale bands (core badly broken with approximately 60 per cent. core recovery).
Skalie en steenkool (14 dm. kernverlies).		3	—		Shale and coal (14 in. core-loss).
Matkool hoofsaaklik (kern erg gebreek en 50 persent kernverlies).		10	341	0	**Coal;** mainly dull coal (core badly broken and 50 per cent. core-loss).
Sandsteen, erg fynkorrelrig, vaal tot vaalbruin, effens wit na onder, mikadraend, gelaag op golfvormige wyse.	11	0	—		Sandstone, very fine-grained, grey to greyish brown, slightly white towards bottom, micaceous, laminated in wavy layer fashion.
Sandsteen; fynkorrelrige, dun lagies grys tot swart, mikadraende sandsteen en grys tot vuilwit, grof- tot middelkorrelrige sandsteenlagies om die beurt; die swart sandsteenlagies in die onderste 6 vt. is skalieagtig en gelaag op golfvormige wyse.	31	4	383	4	Sandstone; alternating fine-grained, thin bands of grey to black, micaceous sandstone and grey to dirty white, coarse- to medium-grained sandstone; the black sandstone bands in the bottom 6ft. are shaly and laminated in a wavy layer fashion.
Steenkool; hoofsaaklik matkool, met 5 dm. koolstofhoudende sandsteen 7 dm. van bo af; bevat glyvlakke (kern erg gebreek).	2	7	385	11	**Coal;** mainly dull coal, with 5 in. carbonaceous sandstone 7 in. from top; contains slip planes (core badly broken).
Sandsteen; fynkorrelrige golfvormige gelaagde grys en swart lagies.	1	0	—		Sandstone; fine-grained, wavy bands of grey and black sandstone.
Steenkool en skalie, gemeng (kern erg gebreek en 50 persent kernwins).		7	388	1	**Coal** and shale, mixed (core badly broken and 50 per cent. core recovery).
Sandsteen, fynkorrelrig, vaalswart en swart, mikadraend.	1	4	—		Sandstone, fine-grained, greyish black and black, micaceous.
Steenkool; hoofsaaklik matkool (kern erg gebreek).		7	390	0	**Coal;** mainly dull coal (core badly broken).
Sandsteen; fynkorrelrige dun lagies vaal tot vaalwit en vaalswart sandsteen; mikadraend, kruisgelaag; onderste 6 dm. is grofkorrelrig.	24	3	—		Sandstone; fine-grained, thin bands of grey to greyish white and greyish black sandstone; micaceous, cross-bedded; bottom 6 in. is fine-grained.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Sandsteen; lagies swart, skalieagtige sandsteen en vuilwit tot vaal, middel- tot grofkorrelrige sandsteenlagies om die beurt.	5 6	—	Sandstone; alternating bands of black, shaly sandstone and dirty white to grey, middle- to coarse-grained sandstone bands.
Skalie, swart, met baie dun lagies fyn-, middel- en grofkorrelrige sandsteen.	12 9	—	Shale, black, with many thin bands of fine-, middle- and coarse-grained sandstone.
Sandsteen, fyn- tot middelkorrelrig, vaal, gelaag, met swart, skalieagtige sandsteenlagies.	8	—	Sandstone, fine- to medium-grained, grey, laminated, with black, shaly sandstone bands.
Skalie, swart, met dun lagies fyn- tot grofkorrelrige sandsteen veral na bo.	17 10	451 0	Shale, black, with thin, fine- to coarse-grained sandstone bands, especially towards bottom.

BOORGAT 79 : VAALPENSLOOP 722 : BOREHOLE 79

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 175	N.G.	134	184 3	N.S.
G	**Glanskool**, dungelaag, pikagtig en skalieagtig (kern erg gebreek).	14	—	Coal, bright, thinly banded, pitchlike and shaly (core badly broken).
	N.G.	37	—	N.S.
F	**Glanskool**, gelaag, en skalie, in afwisselende lae; plek-plek pikagtig en met vaal skalie (kern erg gebreek).	66	—	Coal, bright, banded, and shale, in alternating bands; pitchlike in places and with grey shale (core badly broken).
	N.G.	3	—	N.S.
	N.G.	34	—	N.S.
E	**Glanskool**, gelaag (4 dm. kernverlies).	16	—	Coal, bright, banded (4 in. core-loss).
	N.G.	49	—	N.S.
D	**Glanskool**, gelaag, en skalie.	22	—	Coal, bright, banded, and shale.
	N.G.	18	—	N.S.
C	**Glanskool**, gelaag, en skalie (kern erg gebreek).	10	—	Coal, bright, banded, and shale (core badly broken).
B	**Glanskool**, gelaag, skalieagtig.	8	—	Coal, bright, banded, shaly.
	N.G.	10	—	N.S.
	N.G.	3	—	N.S.
	N.G.	9	—	N.S.
	N.G.	3	—	N.S.
	N.G.	4	—	N.S.
	N.G.	9	—	N.S.
A	**Glanskool**, gelaag (onderste 6 dm. erg gebreek en 16 dm. kernverlies).	20	215 6	Coal, bright, banded (bottom 6 in. badly broken and 16 in. core-loss).

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 176	N.G.	18	217 0	N.S.
F	**Glanskool,** gelaag, en skalie.	57	—	Coal, bright, banded, and shale.
	N.G.	3	—	N.S.
E	**Glanskool,** gelaag, en skalie (kern gebreek).	17	—	Coal, bright, banded, and shale (core broken).
D	**Glanskool,** gelaag, plek-plek pikagtig, met 2 dm. vaal skalie in middel en 1 dm. vaal skalie 2 dm. van onder af; glyvlakke in onderste helfte (kern gebreek en 33 dm. kernverlies tussen 217 vt. en 229 vt.).	34	—	Coal, bright, banded, pitchlike in places, with 2 in. grey shale in middle and 1 in. grey shale 2 in. from bottom; slip planes in bottom half (core broken and 33 in. core-loss between 217 ft. and 229 ft.).
	N.G.	83	—	N.S.
C	**Glanskool,** gelaag, met 3 dm. skalie 17 dm. van bo af en baie glyvlakke (kern erg gebreek).	33	—	Coal, bright, with 3 in. shale 17 in. from top and many slip planes (core badly broken).
	N.G.	15	—	N.S.
B	**Glanskool,** gelaag, plek-plek skalieagtig en gesny deur glyvlakke (kern gebreek en 1 vt. 9 dm. kernverlies tussen 237 vt. 5 dm. en 244 vt. 2 dm.).	12	—	Coal, bright, banded, shaly in places and cut by slip planes (core broken and 1 ft. 9 in. core-loss between 237 ft. 5 in. and 244 ft. 2 in.).
	N.G.	53	—	N.S.
	N.G.	3	—	N.S.
A	**Glanskool,** gelaag, en skalie; erg gesny deur glyvlakke (30 persent kernverlies).	±12	252 10	Coal, bright, banded, and shale; badly cut by slip planes (30 per cent. core-loss).
Q 177	N.G.	36	255 10	N.S.
F	**Glanskool,** gelaag, en skalie; kern gesny deur glyvlakke (kern gebreek en gedeelte word vermis).	26	—	Coal, bright, banded, and shale; core cut by slip planes (core broken and portion is missing).
	N.G.	54	—	N.S.
E	**Glanskool,** gelaag, plek-plek skalieagtig, met 3 dm. vaal skalie in middel (kern plek-plek gebreek en kernverlies van 2 dm).	26	—	Coal, bright, banded, shaly in places, with 3 in. grey shale in middle (core broken in places and core-loss of 2 in).
	N.G.	8	—	N.S.
D	**Glanskool,** gelaag, en skalie.	46	—	Coal, bright, banded, and shale.
	N.G.	22	—	N.S.
C	**Glanskool,** dungelaag, en skalie; kern plek-plek gebreek.	30	—	Coal, thinly banded, and shale; core broken in places.
	N.G.	1	—	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
B	**Glanskool,** gelaag, en skalie, met 'n 2-dm. vaal skalielaag; bevat glyvlakke 4 dm. van onder af (7 dm. kernverlies).	33	278 7	**Coal,** bright, banded, and shale, with a 2-in. grey shale band; contains slip planes 4 in. from bottom (7 in. core-loss).
	N.G.	264	303 0	N.S.
A	**Glanskool,** pikagtig ...	2	—	**Coal,** bright, pitchlike.
	Skalie, vaal	2	—	Shale, grey.
	Glanskool, gelaag ...	4	—	**Coal,** bright, banded.
	Glanskool, dungelaag...	5	—	**Coal,** bright, thinly banded.
	Glanskool, gelaag, skalieagtig, piriet- en kalsiethoudend.	10	304 11	**Coal,** bright, banded, shaly, pyritic and calcitic.
Q 223	N.G.	68	311 7	N.S.
F	**Glanskool,** gelaag, plekplek skalieagtig; piriethoudend by onderent.	37	—	**Coal,** bright, banded, shaly in places; pyritic at bottom.
	N.G.	108	332 2	N.S.
E	**Steenkool,** gemeng, met enkele skalielagies kern erg gebreek met ongeveer 60 persent kernwins).	±40	—	**Coal,** mixed, with occasional shale bands (core badly broken with approximately 60 per cent. core recovery).
	N.G.	3	—	N.S.
D	**Matkool** hoofsaaklik (kern erg gebreek en 50 persent kernververlies).	10	341 0	**Coal;** mainly dull coal (core badly broken and 50 per cent. core-loss).
	N.G.	132	—	N.S.
	N.G.	376	383 4	N.S.
C	**Steenkool;** hoofsaaklik matkool. met 5 dm. koolstofhoudende sandsteen 7 dm. van bo af uitgesluit; bevat glyvlakke (kern erg gebreek).	31	—	**Coal;** mainly dull coal, with 5 in. carbonaceous sandstone 7 in. from top excluded; contains slip planes (core badly broken).
	N.G.	12	—	N.S.
B	**Steenkool** en skalie, gemeng (kern erg gebreek en 50 persent kernwins).	7	—	**Coal** and shale, mixed (core badly broken and 50 per cent. core recovery).
	N.G.	16	—	N.S.
A	**Steenkool;** hoofsaaklik matkool (kern erg gebreek).	7	390 0	**Coal;** mainly dull coal (core badly broken).

BOORGAT 79 : VAALPENSLCOP 722 : BOREHOLE 79

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H$_2$O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 175 G	14	—	—	—	—	2·4	30·4	28·9	38·3	—	—	—	—	—	—	—
F	66	—	—	—	—	2·5	45·3	21·9	30·3	—	26·0	10·0	—	—	2½	—
E$_1$	—	−1	1·45	66·7	—	2·7	16·9	33·0	47·4	4	—	—	—	—	—	—
E$_2$	—	−1	1·45	33·3	—	—	36·4	—	—	—	—	—	—	—	—	—
E	16	—	—	—	—	—	23·4	—	—	—	37·8	10·9	—	—	3	—
D	22	—	—	—	—	2·4	38·9	23·9	34·8	—	26·8	9·0	—	—	4	—
C	10	—	—	—	—	2·6	19·3	32·9	45·2	3½	65·4	11·9	—	—	4	—
B	8	—	—	—	—	2·5	22·4	31·3	43·8	3½	55·9	12·6	—	—	4½	—
A$_1$	—	−1	1·45	72·1	—	2·7	15·4	34·4	47·5	4½	—	—	—	—	—	—
A$_2$	—	−1	1·45	27·9	—	—	33·0	—	—	—	—	—	—	—	—	—
A	20	—	—	—	—	—	20·3	—	—	—	55·2	9·6	—	—	4	—
Q 176 F	57	—	—	—	—	2·9	32·3	26·7	38·1	—	9·7	10·0	—	—	4	—
E	17	—	—	—	—	2·1	39·4	25·0	33·5	—	16·8	9·1	—	—	4½	—
D$_1$	—	−1	1·45	55·8	—	1·9	17·1	33·1	47·9	—	—	—	—	—	—	—
D$_2$	—	−1	1·45	44·2	—	2·3	41·9	23·5	32·3	—	—	—	—	—	—	—
D	34	—	—	—	—	2·1	28·0	28·9	41·0	—	48·0	8·9	—	—	3½	—
C$_1$	—	−1	1·45	50·0	—	2·9	14·1	34·1	48·9	4½	—	—	—	—	—	—
C$_2$	—	−1	1·45	50·0	—	1·7	59·9	17·3	21·1	—	—	—	—	—	—	—
C	33	—	—	—	—	2·3	37·0	25·7	35·0	—	40·7	9·1	—	—	4	—
B$_1$	—	−1	1·45	40·0	—	2·9	17·1	33·1	46·9	—	—	—	—	—	—	—
B$_2$	—	−1	1·45	60·0	—	2·1	38·6	25·3	34·0	4	—	—	—	—	—	—
B	12	—	—	—	—	2·4	30·0	28·4	39·2	—	15·4	9·5	—	—	3½	—
A	17	—	—	—	—	2·1	32·2	27·5	38·2	—	17·9	10·1	—	—	4	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 177 F	26	—	—	—	—	2·1	35·9	25·6	36·4	1½Ag	27·6	16·3	—	—	2½	—
E	26	—	—	—	—	2·1	37·8	25·3	34·8	1½Ag	26·7	10·0	—	—	4	—
D	46	—	—	—	—	2·2	32·3	27·0	38·5	1½Ag	31·3	7·4	—	—	3½	—
C	30	—	—	—	—	2·1	33·0	26·9	38·0	1½Ag	13·9	—	—	—	2½	—
B	33	—	—	—	—	2·2	36·0	26·1	35·7	1½Ag	13·4	—	—	—	3½	—
A	23	—	—	—	—	1·7	39·1	25·2	34·0	1½Ag	13·8	—	—	—	3	—
Q 223 F_1	—	−1	1·45	46·7	12·2	2·3	16·7	34·5	46·5	4	—	—	—	—	—	—
F_2	—	−1	1·45	53·3	—	—	38·8	—	—	F	—	—	—	—	—	—
F	37	—	—	—	—	—	28·5	—	—	—	47·0	9·2	—	—	4	—
E	69	—	—	—	9·9	2·2	24·2	20·9	52·7	—	—	—	41·1	12·0	—	1½Ag
D	20	—	—	—	11·0	2·2	20·2	23·2	54·4	F	—	—	76·0	10·9	—	1½Ag
C	26	—	—	—	12·3	2·3	14·7	23·6	59·4	F	—	—	81·7	9·4	—	1½Ag
B	14	—	—	—	11·2	1·9	21·5	25·4	51·2	F	—	—	67·1	9·5	—	1Ag
A	7	—	—	—	—	1·8	26·3	23·8	48·1	F	—	—	—	—	—	—

BOORGAT 80 : MC CABES VLEY 1371 : BOREHOLE 80

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Grond	1	0	—		Soil.
Moddersteen, (stampboor tot 41 vt.).	52	1	—		Mudstone (jumper drill down to 41 ft.).
Skalie, swart	2	5	55	6	Shale, black.
Skalie, piriet en steenkool		1	—		Shale, pyrite and coal.
Glanskool, gelaag, piriet- en kalsiethoudend.	1	10	—		Coal, bright, banded, pyritic and calcitic.
Skalie, vaal en swart	5	9	—		Shale, grey and black.
Glanskool, gelaag, en skalie		3	—		Coal, bright, banded, and shale.
Glanskool, gelaag; 6 dm. skalie met 'n glyvlak 9 dm. van bo af.	2	9	66	2	Coal, bright, banded; 6 in. shale, with a slip plane 9 in. from top.
Skalie, vaal en swart	2	9	—		Shale, grey and black.
Glanskool, gelaag, skalieagtig by onderent.	1	2	70	1	Coal, bright, banded, shaly at bottom.
Skalie, swart, met twee 5-dm. steenkoollagies.	2	8	72	9	Shale, black, with two 5-in. coal bands.
Skalie en gelaagde glanskool	1	9	—		Shale and banded, bright coal.
Skalie, vaal		8	—		Shale, grey.
Glanskool, gelaag, met 'n 1-dm. kleiagtige lagie by bo-ent.	1	8	—		Coal, bright, banded, with a 1-in. clayey band at top.
Skalie en gelaagde glanskool	1	4	—		Shale and banded, bright coal.
Skalie, vaal		3	—		Shale, grey.
Glanskool, gelaag		10	—		Coal, banded, bright.
Skalie, vaal		5	—		Shale, grey.
Glanskool, gelaag	2	2	81	10	Coal, banded, bright.
Skalie, swart	6	0	—		Shale, black.
Skalie en gelaagde glanskool	6	0	93	10	Shale and banded, bright coal.
Glanskool, gelaag	1	4	—		Coal, banded, bright.
Skalie, met twee dun steenkoollagies.	2	7	—		Shale, with two thin coal bands.
Glanskool, gelaag, en skalie	1	3	—		Coal, bright, banded, and shale.
Glanskool, gelaag, skalieagtig by onderent; piriethoudend.	3	0	—		Coal, bright, banded, shaly at bottom; pyritic.
Skalie	1	5	—		Shale.
Skalie en gelaagde glanskool	3	10	—		Shale and banded, bright coal.
Glanskool, gelaag, skalieagtig by bo- en onderent; piriethoudend.	3	2	—		Coal, banded, bright, shaly at top and bottom; pyritic.
Skalie en gelaagde glanskool	1	4	—		Shale and banded, bright coal.
Glanskool, gelaag; bevat baie vitriet- en dun skalielagies; 3 dm. swart skalie 4 dm. van bo af en 1 dm. swart skalie 24 dm. van bo af.	5	0	116	9	Coal, bright, banded; contains many vitrain bands and thin shale bands; 3 in. black shale 4 in. from top and 1 in. black shale 24 in. from top.
Skalie, swart	6	6	122	3	Shale, black.
Glanskool, gelaag, met 'n glyvlak by bo-ent.		9	—		Coal, bright, banded, with a slip plane at top.
Skalie, koolstofhoudend, met 'n dun steenkoollagie.	4	11	127	11	Shale, carbonaceous, with a thin coal band.
Skalie en steenkool	3	7	—		Shale and coal.
Glanskool, gelaag, met 2 dm. skalie in middel.	1	1	—		Coal, bright, with 2 in. shale in middle.
Skalie		3	—		Shale.
Glanskool, gelaag, bevat sideritkorrels en is piriethoudend in onderste helfte.	2	5	—		Coal, bright, banded; contains siderite pellets and is pyritic in bottom half.
Sideriet		4	—		Siderite.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Glanskool, gelaag, sideriethoudend, met 'n pirietknol (1 dm. kernverlies tussen 127 vt. 11 dm. en 136 vt. 4 dm.)		8	136	4	**Coal,** bright, banded, sideritic, with a pyrite nodule (1 in. core-loss between 127 ft. 11 in. and 136 ft 4 in.).
Skalie, koolstofhoudend, met vier 2-dm. tot 4-dm. steenkoollagies.	8	10	145	2	Shale, carbonaceous, with four 2-in. to 4-in. coal bands.
Skalie en gelaagde glanskool ...	1	8	—		Shale and banded, bright coal.
Glanskool. gelaag, skalieagtig by bo-ent.	1	7	148	5	**Coal,** bright, banded, shaly at top.
Skalie, met 'n dun steenkoollagie.	1	8	—		Shale, with a thin coal band.
Glanskool, gelaag, pikagtig by onderent.		9	—		**Coal,** bright, banded, pitch-like at bottom.
Skalie	1	0	—		Shale.
Glanskool, gelaag, piriethoudend by onderent.		11	—		**Coal,** bright, banded, pyritic at bottom.
Skalie en glanskool	1	3	—		Shale and bright coal.
Glanskool, gelaag, pikagtig naby bo-ent; piriethoudend.	1	0	155	0	**Coal,** bright banded, pitch-like near bottom; pyritic.
Skalie en gelaagde glanskool in breë, afwisselende lae, en dunner skalielagies.	34	0	189	0	Shale and banded, bright coal in broad alternating bands, and thinner shale bands.
Skalie- en steenkoollae, afwisselend.	5	2	194	2	Shale bands and coal bands, alternating.
Glanskool, gelaag, piriethoudend.	2	1	—		**Coal,** bright, banded, pyritic.
Skalielae en steenkoollae, afwisselend.	5	10	—		Shale and coal bands, alternating.
Glanskool, gelaag	1	11	204	0	**Coal,** bright, banded.
Glanskool, gelaag, en sideriet ...	1	2	—		**Coal,** bright, banded, and siderite.
Skalie, swart en koolstofhoudend, met agt 6-dm. tot 8-dm. steenkoollagies met siderietkorrels.	13	6	—		Shale, black and carbonaceous with eight 6-in. to 8-in. coal bands with siderite pellets.
Skalielae en steenkoollae, afwisselend.	2	5	221	1	Shale and coal bands, alternating.
Glanskool, gelaag, skalieagtig en piriethoudend.	1	0	222	1	**Coal,** bright, banded, shaly and pyritic
Skalie, swart en koolstofhoudend, met vier 6-dm. steenkoollagies.	11	8	233	9	Shale, black and carbonaceous, with four, 6-in. coal bands.
Skalie en gelaagde glanskool ...	2	6	—		Shale and banded, bright coal.
Skalie, vaal tot swart	1	0	—		Shale, grey to black.
Skalie, swart en koolstofhoudend, met drie 3-dm. tot 8-dm. steenkoollagies.	7	11	245	2	Shale, black and carbonaceous, with three 3-in. to 8-in. coal bands.
Glanskool, gelaag		7	—		**Coal,** bright, banded.
Skalie, swart		5	—		Shale, black.
Glanskool, gelaag		9	—		**Coal,** bright, banded.
Moddersteen, koolstofhoudend.		½	—		**Mudstone,** carbonaceous.
Glanskool, gelaag		3½	—		**Coal,** bright, banded.
Steenkool, sideriet en moddersteen.		1	—		**Coal,** siderite and mudstone.
Glanskool, gelaag		4½	—		**Coal,** bright, banded.
Skalie, swart		1½	—		Shale, black.
Glanskool, gelaag		5	248	3	**Coal,** bright, banded.
Skalie hoofsaaklik	4	1	—		Shale mainly.
Skalie, met enkele dun steenkoollagies.	6	7	—		Shale, with an occasional thin coal band.

Bg. 80 (*Verv.*) B.H. 80 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Glanskool, gelaag		11	—		**Coal,** bright, banded.
Skalie en glanskool; hoofsaaklik skalie.	5	5	265	3	Shale and bright coal; mainly shale.
Glanskool, gelaag, skalieagtig in middel; kalsiethoudend.	1	1	—		**Coal,** bright, banded, shaly in middle; calcitic.
Skalie, swart, gaan oor in steenkoolagtige skalie; bevat 'n bietjie glanskool na onder.	9	3	—		Shale, black, changes into coaly shale; contains a little coal towards bottom.
Skalie; hoofsaaklik steenkoolagtige skalie.	11	8	—		Shale; mainly coaly shale.
Matkool, swaar, met 5 dm. koolstofhoudende moddersteen 18 dm. van onder af.	4	10	—		**Coal,** dull, heavy, with 5 in. carbonaceous mudstone 18 in. from bottom.
Glanskool, gelaag, en skalieagtige matkool in afwisselende lae.	1	6	—		**Coal,** bright, banded, and shaly dull coal, in alternating bands.
Glanskool, gelaag, en matkool, in afwisselende lae; 1 dm. moddersteen in middel.	2	5	—		**Coal,** bright, banded, and dull coal, in alternating bands; 1 in. mudstone in middle.
Matkool, swaar, met 'n bietjie glanskool.	1	0	297	0	**Coal,** dull, heavy, with a little bright coal.
Skalie, swart	1	8	—		Shale, black.
Skalie, vaalbruin		11	—		Shale, greyish brown.
Sandsteen, skalieagtig, bruinerig.		6	—		Sandstone, shaly, brownish.
Sandsteen, fynkorrelrig, vaal tot vaalwit, middel- en grofkorrelrig gemeng, gelaag.	2	6	—		Sandstone, fine-grained, grey to greyish brown, medium- and coarse-grained mixed, laminated.
Sandsteen, skalieagtig, vaal, fossieldraend.		3	—		Sandstone, shaly, grey, fossiliferous.
Skalie; swart, koolstofhoudende en steenkoolagtige skalie.	12	8	—		Shale, black, carbonaceous and coaly shale.
Sandsteen, gelaag, vaalswart ...		8	—		Sandstone, laminated, greyish black.
Skalie, koolstofhoudend, met 'n bietjie skalieagtige matkool.	3	4	319	6	Shale, carbonaceous, with a little shaly dull coal.
Skalie, steenkoolagtig, en skalieagtige matkool.	14	10	—		Shale, coaly, and shaly, dull coal.
Skalie, koolstofhoudend, met 'n bietjie steenkoolagtige skalie en verspreide kwartskorrels.	14	2	—		Shale, carbonaceous, with a little coaly shale and scattered quartz grains.
Matkool, skalieagtig	3	9	—		**Coal,** dull, shaly.
Skalie		5	—		Shale.
Sandsteen, fynkorrelrig, gelaag, vaal tot swart, mikadraend.	12	10	—		Sandstone, fine-grained, laminated, grey to black, micaceous.
Sandsteen, fyn- tot middelkorrelrig, gelaag, vaalswart en ligbruin, mikadraend.	3	1	—		Sandstone, fine- to medium-grained, laminated, greyish black and light-brown, micaceous.
Sandsteen, vaal en wit, fyn- tot middelkorrelrig; veldspaties, massief.	7	0	—		Sandstone, grey and white, fine- to medium-grained, felspathic, massive.
Sandsteen, wit tot vaalwit, middelkorrelrig, veldspaties, massief, grofkorrelrig tot grintagtig oor onderste 4 vt.; twee ¼-dm. steenkoollagies by onderent.	9	4	384	11	Sandstone, white to greyish white, medium-grained, felspathic, massive, coarse-grained to gritty over bottom 4 ft.; two ¼-in. coal bands at bottom.
Matkool hoofsaaklik	2	7	—		**Coal;** mainly dull coal.

Bg. 80 (*Verv.*) B.H. 80 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Piriet	1	—	Pyrites.
Steenkool, gemeng; hoofsaaklik matkool by bo-ent.	1 7	—	Coal, mixed; mainly dull coal at top.
Klei, koolstofhoudend	2	—	Clay, carbonaceous.
Steenkool, gemeng plek-plek hoofsaaklik glanskool; 1 dm. piriet in middel (kern tussen 384 vt. 11 dm. en 391 vt. 7 dm. is gebreek deur vertikale nate).	2 3	391 7	Coal, mixed; mainly bright in places; 1 in. pyrites in middle (core between 384 ft. 11 in. and 391 ft. 7 in. is broken up by vertical joints).
Sandsteen, erg fynkorrelrig, gelaag, vaal tot ligbruin, mikadraend.	8 3	399 10	Sandstone, very fine-grained, laminated, grey to light-brown, micaceous.

BOORGAT 80 : MC CABES VLEY 1371 : BOREHOLE 80

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 224	N.G.	1	55 7	N.S.
E	**Glanskool,** gelaag, piriet- en kalsiethoudend	22	—	Coal, bright, banded, pyritic and calcitic.
	N.G.	69	—	N.S.
	N.G.	3	—	N.S.
D	**Glanskool,** gelaag; 6 dm. skalie met 'n glyvlak, 9 dm. van bo af is uitgesluit.	33	—	Coal, bright, banded; 6 in. shale with a slip plane 9 in. from top is excluded.
	N.G.	33	—	N.S.
C	**Glanskool,** gelaag, skalieagtig by onderent.	14	—	Coal, bright, banded, shaly at bottom.
	N.G.	32	—	N.S.
	N.G.	21	—	N.S.
	N.G.	8	—	N.S.
B	**Glanskool,** gelaag, met 'n 1-dm. kleiagtige lagie by bo-ent.	20	—	Coal, bright, banded, with a 1-in. clayey band at top.
	N.G.	16	—	N.S.
	N.G.	3	—	N.S.
A	**Glanskool,** gelaag, met 5 dm. vaal skalie 10 dm. van bo af uitgesluit.	41	81 10	Coal, bright, banded, with 5 in. grey shale 10 in. from top excluded.

Bg. 80 (*Verv.*) B.H. 80 (*Contd.*)

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 225	N.G.	72	93 10	N.S.
E	Glanskool, gelaag ...	16	—	Coal, bright, banded.
	N.G.	31	—	N.S.
D	Glanskool, gelaag, en skalie.	15	—	Coal, bright, banded, and shale.
C	Glanskool, gelaag, skalieagtig by onderent; piriethoudend.	36	—	Coal, bright, banded, shaly at bottom; pyritic.
	N.G.	17	—	N.S.
	N.G.	46	—	N.S.
B	Glanskool, gelaag, skalieagtig by bo- en onderent; piriethoudend.	38	—	Coal, bright, banded, shaly at top and bottom; pyritic.
	N.G.	16	—	N.S.
A	Glanskool, gelaag; bevat baie vitriet- en dun skalielagies; 3 dm. swart skalie 4 dm. van bo af en 1 dm. swart skalie 24 dm. van bo af.	60	116 9	Coal, bright, banded; contains many vitrain bands and thin shale bands; 3 in. black shale 4 in. from top and 1 in. black shale 24 in. from top.
Q 226	N.G.	78	122 3	N.S.
H	Glanskool, gelaag, met 'n glyvlak by bo-ent.	9	—	Coal, bright, banded, with a slip plane at top.
	N.G.	59	—	N.S.
	N.G.	43	—	N.S.
G	Glanskool, gelaag, met 2 dm. skalie in middel.	13	—	Coal, bright, banded, with 2 in. shale in middle.
	N.G.	3	—	N.S.
F	Glanskool, gelaag; bevat sideritkorrels en is piriethoudend in onderste helfte.	29	—	Coal, bright, banded; contains siderite pellets and is pyritic in bottom half.
	N.G.	4	—	N.S.
E	Glanskool, gelaag, sideriethoudend, met 'n pirietknol.	8	—	Coal, bright, banded, sideritic, with a pyrite nodule.
	N.G.	106	—	N.S.
	N.G.	20	—	N.S.
D	Glanskool, gelaag, skalieagtig by bo-ent.	19	—	Coal, bright, banded; shaly at top.
	N.G.	20	—	N.S.
C	Glanskool, gelaag, pikagtig by onderent.	9	—	Coal, bright, banded, pitchlike at bottom.
	N.G.	12	—	N.S.
B	Glanskool, gelaag, piriethoudend by onderent.	11	—	Coal, bright, banded, pyritic at bottom.
	N.G.	15	—	N.S.
A	Glanskool, gelaag, pikagtig naby bo-ent; piriethoudend.	12	155 0	Coal, bright, banded, pitchlike near top; pyritic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 227	N.G.	62	194 2	N.S.
B	**Glanskool**, gelaag, piriethoudend.	25	—	**Coal**, bright, banded, pyritic.
	N.G.	70	—	N.S.
A	**Glanskool**, gelaag ...	23	204 0	**Coal**, bright, banded.
Q 228	N.G.	29	221 1	N.S.
B	**Glanskool**, gelaag, skalieagtig en piriethoudend.	12	—	**Coal**, bright, banded, shaly and pyritic.
	N.G.	140	—	N.S.
	N.G.	30	—	N.S.
	N.G.	12	—	N.S.
	N.G.	95	245 2	N.S.
A	Glanskool, gelaag ...	7	—	Coal, bright, banded.
	Skalie, swart	5	—	Shale, black.
	Glanskool, gelaag ...	9	—	Coal, bright, banded.
	Moddersteen, koolstofhoudend.	½	—	Mudstone, carbonaceous.
	Glanskool, gelaag ...	3½	—	Coal, bright, banded.
	Steenkool, sideriet en moddersteen.	1	—	Coal, siderite and mudstone.
	Glanskool, gelaag ...	4½	—	Coal, bright, banded.
	Skalie, swart	1½	—	Shale, black.
	Glanskool, gelaag ...	5	248 3	Coal, bright, banded.
Q 229	N.G.	65	265 3	N.S.
E	**Glanskool**, gelaag, skalieagtig in middel; kalsiethoudend.	13	—	**Coal**, bright, banded, shaly in middle; calcitic.
	N.G.	111	—	N.S.
	N.G.	140	—	N.S.
D	**Matkool**, swaar, met 5 dm. koolstofhoudende moddersteen 18 dm. van onder af.	58	—	**Coal**, dull, heavy, with 5 in. carbonaceous mudstone 18 in. from bottom.
C	**Glanskool**, gelaag, en skalieagtige matkool, in afwisselende lae.	18	—	**Coal**, bright, banded, and shaly dull coal, in alternating bands.
B	**Glanskool**, gelaag, en matkool, in afwisselende lae.	29	—	**Coal**, bright, banded, and dull coal, in alternating bands.
A	**Matkool**, swaar, met 'n bietjie glanskool.	12	297 0	**Coal**, dull, heavy, with a little bright coal.
Q 230	N.G.	116	384 11	N.S.
C	**Matkool** hoofsaaklik ...	31	—	**Coal**, mainly dull.
	N.G.	1	—	N.S.
B	**Steenkool**, gemeng; hoofsaaklik matkool by bo-ent.	19	—	**Coal**, mixed; mainly dull at top.
	N.G.	2	—	N.S.
A	**Steenkool**, gemeng; plek-plek hoofsaaklik glanskool; 1 dm. piriet in middel.	27	391 7	**Coal**, mixed; mainly bright in places; 1 in. pyrite in middle.

BOORGAT 80 : MC CABES VLEY 1371 : BOREHOLE 80

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm: Width, In.	Wastoets Washing Test			Kortanalises (Luggedroogde steenkool) Proximate Analyses (Air-dried coal)						Soortlike Gewig-Afskeiding (−16 maas B.S.S.) Specific Gravity Separation (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-standdele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 224 E_1	—	−1	1·45	48·2	—	2·8	16·4	34·6	46·2	4½	—	—	—	—	—	—
E_2	—	−1	1·45	51·8	—	—	33·1	—	—	—	—	—	—	—	—	—
E	22	—	—	—	—	—	25·1	—	—	—	49·0	10·1	—	—	5	—
D_1	—	−1	1·45	51·7	—	3·2	19·2	33·0	44·6	3½	—	—	—	—	—	—
D_2	—	−1	1·45	48·3	—	—	31·8	—	—	—	—	—	—	—	—	—
D	27	—	—	—	—	—	25·3	—	—	—	45·3	10·0	—	—	5	—
C_1	—	−1	1·45	59·1	—	2·7	21·5	34·9	40·9	4½	—	—	—	—	—	—
C_2	—	−1	1·45	40·9	—	—	32·8	—	—	—	—	—	—	—	—	—
C	14	—	—	—	—	—	26·1	—	—	—	46·5	11·9	—	—	5½	—
B_1	—	−1	1·45	63·6	—	3·5	16·4	32·1	48·0	3½	—	—	—	—	—	—
B_2	—	−1	1·45	36·4	—	—	36·5	—	—	—	—	—	—	—	—	—
B	20	—	—	—	—	—	23·7	—	—	—	49·5	9·2	—	—	4	—
A_1	—	−1	1·45	77·8	—	3·1	16·1	32·9	47·9	4	—	—	—	—	—	—
A_2	—	−1	1·45	22·2	—	—	33·8	—	—	—	—	—	—	—	—	—
A	36	—	—	—	—	—	20·0	—	—	—	61·1	9·9	—	—	4½	—
Q 225 E	16	—	—	—	—	3·0	16·9	33·0	47·1	—	68·0	7·9	—	—	3½	—
D_1	—	−1	1·45	32·1	—	3·6	12·5	32·0	51·9	3½	—	—	—	—	—	—
D_2	—	−1	1·45	67·9	—	—	43·0	—	—	—	—	—	—	—	—	—
D	15	—	—	—	—	—	33·2	—	—	—	35·4	7·6	—	—	3½	—
C_1	—	−1	1·45	73·3	—	3·4	12·9	33·9	49·8	4	—	—	—	—	—	—
C_2	—	−1	1·45	26·7	—	—	40·1	—	—	—	—	—	—	—	—	—
C	36	—	—	—	—	—	20·2	—	—	—	53·9	9·1	—	—	4	—
B_1	—	−1	1·45	63·4	—	3·3	14·8	33·5	48·4	4	—	—	—	—	—	—
B_2	—	−1	1·45	36·6	—	—	33·8	—	—	—	—	—	—	—	—	—

Bg. 80 (*Verv.*) B.H. 80 (*Contd.*)

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GFWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
		Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
											Opbrengs Yield %	As Ash %	Opbrengs Yield %	As Ash %	Dryfsel Float 1·45	1·58
B	38	—	—	—	—	—	21·8	—	—	—	55·2	8·7	—	—	5½	—
A_1	—	−1	1·45	66·8	—	3·3	12·8	32·4	51·5	3½	85·7	9·0	—	—	4½	—
A_2	—	−1	1·45	33·2	—	—	53·3	—	—	—	7·8	9·2	—	—	—	—
A	60	—	—	—	—	—	26·2	—	—	—	59·8	9·0	—	—	—	—
Q 226 H	9	—	—	—	—	2·9	19·1	32·6	45·4	—	—	—	—	—	—	—
G	13	—	—	—	—	2·5	37·3	24·4	35·8	—	20·9	—	—	—	4	—
F	29	—	—	—	—	2·3	27·7	32·2	37·8	—						
E	8	—	—	—	—	2·1	30·0	31·0	36·9	—	35·6	11·0	—	—	3½	—
D	19	—	—	—	—	2·9	20·3	31·5	45·3	—	53·2	9·4	—	—	4	—
C_1	—	−1	1·45	57·6	12·4	2·6	13·3	33·0	51·1	3½	—	—	—	—	—	—
C_2	—	−1	1·45	42·4	—	2·3	33·8	26·2	37·7	—	—	—	—	—	—	—
C	9	—	—	—	—	2·5	22·0	30·1	45·5	—	43·8	7·0	—	—	2½	—
B_1	—	−1	1·45	63·2	11·9	2·8	16·5	32·6	48·1	3	—	—	—	—	—	—
B_2	—	−1	1·45	36·8	—	2·2	33·1	26·2	38·5	—	—	—	—	—	—	—
B	11	—	—	—	—	2·6	22·6	30·2	44·6	—	37·8	10·7	—	—	3½	—
A_1	—	−1	1·45	44·8	12·4	2·6	13·6	35·7	48·1	4	—	—	—	—	—	—
A_2	—	−1	1·45	55·2	—	2·4	34·9	29·4	33·3	—	—	—	—	—	—	—
A	12	—	—	—	—	2·5	25·4	32·2	39·9	—	33·8	7·5	—	—	4	—
Q 227 B_1	—	−1	1·45	40·7	—	2·9	14·0	34·0	49·1	4	—	—	—	—	—	—
B_2	—	−1	1·45	59·3	—	—	33·7	—	—	—	—	—	—	—	—	—
B	25	—	—	—	—	—	25·7	—	—	—	43·5	7·5	—	—	4	—
A_1	—	−1	1·45	65·1	—	2·7	15·6	33·8	47·9	4	—	—	—	—	—	—
A_2	—	−1	1·45	34·9	—	—	33·4	—	—	—	—	—	—	—	—	—
A	23	—	—	—	—	—	21·8	—	—	—	54·1	9·2	—	—	4	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 228 B	12	—	—	—	—	2·4	21·5	31·6	44·5	4	56·0	6·2	—	—	4½	—
A_1	—	−1	1·45	42·2	—	3·0	10·2	34·7	52·1	3	—	—	—	—	—	—
A_2	—	−1	1·45	57·8	—	—	54·8	—	—	—	—	—	—	—	—	—
A	37	—	—	—	—	—	36·0	—	—	—	32·9	7·2	—	—	2½	—
Q 229 E	13	—	—	—	—	2·6	26·3	28·0	43·1	—	—	—	—	—	—	—
D	58	—	—	—	11·1	2·9	19·4	25·1	52·6	—	—	—	—	—	—	—
B_1C_1	—	−1	1·45	31·8	—	2·9	11·7	32·5	52·9	2	—	—	—	—	—	—
B_2C_2	—	−1	1·45	68·2	—	—	35·6	—	—	—	—	—	—	—	—	—
BC	47	—	—	—	—	—	28·0	—	—	—	40·4	7·2	—	—	1Ag	—
A	12	—	—	—	—	2·7	17·6	29·1	50·6	—	57·8	7·4	—	—	1Ag	—
Q 230																
B_1C_1	—	−1	1·58	87·1	12·2	2·9	14·6	21·9	60·6	—	—	—	—	—	—	—
B_2C_2	—	−1	1·58	12·9	—	—	41·2	—	—	—	—	—	—	—	—	—
BC	49	—	—	—	—	—	18·0	—	—	—	—	—	—	—	—	—
A_1	—	−1	1·45	73·5	13·4	3·4	8·3	27·9	60·4	2	—	—	—	—	—	—
A_2	—	−1	1·45	26·5	—	—	34·7	—	—	—	—	—	—	—	—	—
A	27	—	—	—	—	—	15·3	—	—	—	64·7	6·4	—	—	1Ag	—

BOORGAT 81 : HOOIKRAAL 721 : BOREHOLE 81

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered Vt. Ft.	Dm. In.	Ware diepte True depth Vt. Ft.	Dm. In.	Nature of strata
Kleimateriaal, gekonsolideer, met baie kwartskorrels.	148	9	148	9	Clay-material, consolidated, with many quartz grains.
Moddersteen, vaalgeel en verweer; vermoedelik verweerde, verkleurde skalie.	4	0	152	9	Mudstone, greyish yellow and weathered; probably weathered, discoloured shale.
Matkool, met baie min glanskool (kern erg gebreek).	3	3	—		**Coal,** dull with very little bright coal (core badly broken).
Matkool, met enkele skalieagtige lagies (kern erg gebreek).	4	7	—		**Coal,** dull, with occasional shaly bands (core badly broken).
Matkool, met enkele glanskoolstrepies (kern plek-plek erg gebreek).	5	5	—		**Coal,** dull, with occasional bright coal stringers (core badly broken in places).
Steenkool; hoofsaaklik skalieagtige matkool.	1	9	—		**Coal;** mainly shaly coal.
Steenkool, gemeng, met baie pirietknolle (kern plek-plek gebreek).	3	9	171	6	**Coal,** mixed, with many pyrite nodules (core broken in places).
Sandsteen, erg fynkorrelrig, gelaag, vaal tot vaalbruin en vaalswart, mikadraend.	8	5	—		Sandstone, very fine-grained, laminated, grey to greyish brown and greyish black, micaceous.
Sandsteen, fyn- tot middelkorrelrig, vaalswart en swart, plek-plek koolstofhoudend, met enkele kwartskorrels van ¼ dm. deursnee; onderste 1 vt. golfvormig gelaag met steenkoolstrepies.	5	4	—		Sandstone, fine- to coarse-grained, greyish black and black, carbonaceous in places, with occasional quartz grains of ¼ in. diameter; bottom 1 ft. banded in wavy layer fashion with coal stringers.
Glanskool		7	—		**Coal,** bright.
Sandsteen		8	186	6	Sandstone.
Steenkool; hoofsaaklik matkool; plek-plek swaar.	2	5	—		**Coal;** mainly dull coal; heavy in places.
Steenkool; hoofsaaklik matkool.	2	6	—		**Coal;** mainly dull coal.
Skalie, koolstofhoudend, kleiagtig.		1	—		Shale, carbonaceous, clayey.
Steenkool; hoofsaaklik matkool.	1	3	—		**Coal;** mainly dull coal.
Skalie, koolstofhoudend		3	—		Shale, carbonaceous.
Steenkool; hoofsaaklik matkool (kern erg gebreek).	4	11	197	11	**Coal;** mainly dull coal (core badly broken).
Sandsteen, fynkorrelrig, vaal tot vaalswart en vaalbruin, mikadraend, golfvormig gelaag.	21	0	—		Sandstone, fine-grained, laminated, grey to greyish brown, micaceous, banded in wavy layer fashion.
Sandsteen; afwisselende lagies swart, skalieagtige sandsteen en vuilwit tot vaal, middel- tot grofkorrelrige sandsteen.	22	10	241	9	Sandstone; alternating bands of black, shaly sandstone and greyish white to grey, medium- to coarse- grained sandstone.
Glanskool, dungelaag, kalsiethoudend.		6	—		**Coal,** bright, thinly banded, calcitic.
Skalie, koolstofhoudend en sanderig, en piriet.		2	—		Shale, carbonaceous and sandy, and pyrites.
Matkool	1	3½	—		**Coal,** dull.
Glanskool, dungelaag, met 'n skulpvormige breuk in onderste 3 dm; piriethoudend.	1	1½	—		**Coal,** bright, thinly banded, with a conchoidal fracture in bottom 3 in.; pyritic.
Sandsteen, fynkorrelrig, gelaag, mikadraend, vaal en swart; onderste 5 dm. swart en skalieagtig.	1	6	246	4	Sandstone, fine-grained, laminated, micaceous, grey and black; bottom 5 in. black and shaly.

BOORGAT 81 : HOOIKRAAL 721 : BOREHOLE 81

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 231	N.G.	48	152 9	N.S.
E	Matkool, met baie min glanskool (kern erg gebreek).	39	—	Coal, dull. with very little bright coal (core badly broken).
D	Matkool, met enkele skalieagtige lagies (kern erg gebreek).	55	—	Coal, dull, with occasional shaly bands (core badly broken).
C	Matkool, met enkele glanskoolstrepies (kern plek-plek erg gebreek).	65	—	Coal, dull, with occasional bright coal stringers (core badly broken in places).
B	Steenkool; hoofsaaklik skalieagtige matkool.	21	—	Coal; mainly shaly, dull coal.
A	Steenkool, gemeng. met baie pirietknolle (kern plek-plek gebreek).	45	171 6	Coal, mixed, with many pyrite nodules (core broken in places).
Q 232	N.G.	8	186 6	N.S.
F	Steenkool; hoofsaaklik matkool; plek-plek swaar.	29	—	Coal; mainly dull coal; heavy in parts.
E	Steenkool; hoofsaaklik matkool.	30	—	Coal; mainly dull coal.
	N.G.	1	—	N.S.
	Steenkool; hoofsaaklik matkool.	15	—	Coal; mainly dull coal.
	N.G.	3	—	N.S.
D	Steenkool; hoofsaaklik matkool (kern erg gebreek).	59	—	Coal; mainly dull coal (core badly broken).
	N.G.	252	—	N.S.
	N.G.	274	241 9	N.S.
C	Glanskool, dungelaag, kalsiethoudend.	6	—	Coal, bright, thinly banded, calcitic.
	N.G.	2	—	N.S.
B	Matkool	15½	—	Coal, dull.
A	Glanskool, dungelaag, met 'n skulpvormige breuk in onderste 3 dm.; piriethoudend.	13½	244 10	Coal, bright, thinly banded, with a conchoidal fracture in bottom 3 in.; pyritic.

BOORGAT 81 : HOOIKRAAL 721 : BOREHOLE 81

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST: Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal): V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.): Dryfsel, 1·45 Float, 1·45: Opbrengs Yield %	Dryfsel, 1·45 Float, 1·45: As Ash %	Dryfsel, 1·58 Float, 1·58: Opbrengs Yield %	Dryfsel, 1·58 Float, 1·58: As Ash %	Sw.-syfer Swelling number: Dryfsel Float 1·45	Sw.-syfer Swelling number: Dryfsel Float 1·58
Q 231 E_1	—	−1	1·58	88·5	12·3	3·5	11·3	19·0	66·2	—	—	—	—	—	—	—
E_2	—	−1	1·58	11·5	—	—	44·0	—	—	—	—	—	—	—	—	—
E	39	—	—	—	—	—	15·1	—	—	—	—	—	—	—	—	—
D_1	—	−1	1·58	52·3	11·4	3·6	17·9	19·5	59·0	—	—	—	—	—	—	—
D_2	—	−1	1·58	47·7	—	—	40·9	—	—	—	—	—	—	—	—	—
D	55	—	—	—	—	—	28·8	—	—	—	—	—	—	—	—	—
C_1	—	−1	1·58	80·4	11·4	3·4	17·6	18·6	60·4	—	—	—	—	—	—	—
C_2	—	−1	1·58	19·6	—	—	37·9	—	—	—	—	—	—	—	—	—
C	65	—	—	—	—	—	21·7	—	—	—	—	—	—	—	—	—
B_1	—	−1	1·58	46·3	11·7	3·3	16·0	20·7	60·0	—	—	—	—	—	—	—
B_2	—	−1	1·58	53·7	—	—	41·1	—	—	—	—	—	—	—	—	—
B	21	—	—	—	—	—	29·5	—	—	—	—	—	—	—	—	—
A_1	—	−1	1·45	55·7	12·7	3·5	10·7	25·5	60·3	F	—	—	—	—	—	—
A_2	—	−1	1·45	44·3	—	—	33·2	—	—	—	—	—	—	—	—	—
A	45	—	—	—	—	—	20·7	—	—	—	—	—	—	—	—	—
Q 232 F_1	—	−1	1·58	62·2	11·4	3·0	18·7	19·3	59·0	—	—	—	—	—	—	—
F_2	—	−1	1·58	37·8	—	—	34·9	—	—	—	—	—	—	—	—	—
F	29	—	—	—	—	—	24·8	—	—	—	9·9	8·8	—	—	—	—
E_1	—	−1	1·58	93·5	12·4	3·0	13·1	24·1	59·8	—	—	—	—	—	—	—
E_2	—	−1	1·58	6·5	—	—	40·8	—	—	—	—	—	—	—	—	—
E	45	—	—	—	—	—	14·9	—	—	—	47·5	7·9	—	—	2	—
D_1	—	−1	1·58	72·0	12·0	3·0	15·2	23·1	58·7	—	—	—	—	—	—	—
D_2	—	−1	1·58	28·0	—	—	39·2	—	—	—	—	—	—	—	—	—
D	59	—	—	—	—	—	21·9	—	—	—	40·4	14·9	—	—	1½Ag	—
C	6	—	—	—	12·6	2·3	13·5	33·1	51·1	1½Ag	83·2	3·5	—	—	2	—
B	15½	—	—	—	12·1	2·8	15·5	21·6	60·1	P	63·2	6·4	—	—	1½Ag	—
A	13½	—	—	—	12·3	2·3	15·5	31·2	51·0	1½Ag	72·2	5·1	—	—	3	—

BOORGAT 82 : HOOIKRAAL 721 : BOREHOLE 82

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Hierdie boorgat is ongeveer twee tree vanaf boorgat 85. Weens boormoeilikheid is die boorgat gestop op 'n diepte van 363 voet 3 duim.	363	3	363	3	This borehole is situated about 2 yards from borehole 85. Owing to drilling difficulties it was stopped at a depth of 363 feet 3 inches.

BOORGAT 83 : ZAAGPUT 718 : BOREHOLE 83

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Moddersteen (?) (stampboor)	83	0	83	0	Mudstone (?) (jumper drill).
Skalie, met dun, verweerde steenkoollagies.	16	5	99	6	Shale, with thin, weathered coal bands.
Glanskool, gelaag, met enkele dun skalielagies; 1½dm. skalie 6 dm. van bo af en 2 dm. skalie 31 dm. van bo af (11 dm. kernverlies).	5	10	106	3	**Coal**, bright, banded, with occasional thin shale bands; 1½ in. shale 6 in. from top and 2 in. shale 31 in. from top (11 in. core-loss).
Skalie, swart, met twee dun steenkoollagies.	11	10	—		Shale, black, with two thin coal bands.
Glanskool, gelaag, met 1 dm. swart skalie en 1 dm. vitriet in boonste 4 dm.	1	4	—		**Coal**, bright, banded, with 1 in. black shale and 1 in. vitrain in top 4 in.
Skalie		9	—		Shale.
Glanskool, breedgelaag, en skalie; hoofsaaklik steenkool in boonste 8 dm.	1	10	—		**Coal**, bright, broad-banded, and shale; mainly coal in top 8 in.
Skalie		8	—		Shale.
Glanskool, dungelaag, met baie vitrietlagies; skalieagtig en sideriethoudend in onderste 4 dm.	2	1	—		**Coal**, bright, thinly banded, with many vitrain bands; shaly and sideritic in bottom 4 in.
Sideriet en steenkool		4	—		Siderite and coal.
Skalie, met dun steenkoollagies.	2	3	—		Shale, with thin coal bands.
Glanskool, gelaag; hoofsaaklik skalie in boonste 3 dm.; onderste 6 dm. sideriethoudend; piriethoudend.	1	3	128	7	**Coal**, bright, banded; mainly shale in top 3 in.; bottom 6 in. sideritic; pyritic.
Skalie, koolstofhoudend, en swart skalie, plek-plek erg sideriethoudend; bevat 'n paar dun steenkoollagies; ligbruin naby bo-ent.	10	11	139	6	Shale, carbonaceous, and black shale, very sideritic in places; contains a few thin shale bands; light-brown near top.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie en gelaagde glanskool, kalsiethoudend.	1	8	141	2	Shale and banded, bright coal, calcitic.
Glanskool, gelaag; pikagtig in onderste 7 dm.; skalieagtig en kalsiethoudend.	1	9	—		**Coal,** bright, banded; pitchlike in bottom 7 in.; shaly and calcitic.
Skalie, koolstofhoudend, en glanskool; erg sideriethoudend in onderste 5 dm.	2	6	—		Shale, carbonaceous, and bright coal; very sideritic in bottom 5 in.
Glanskool, gelaag, pikagtig en kalsiethoudend.	1	0	—		**Coal,** bright, banded, pitchlike and calcitic.
Skalie en glanskool, in afwisselende dun lagies.	4	1	—		Shale and bright coal, in alternating thin bands.
Glanskool, gelaag, skalieagtig by bo-ent.	1	2	—		**Coal,** bright, banded, shaly at top.
Skalielagies en steenkoollagies, om die beurt.	5	5	—		Shale bands and coal bands, alternating.
Glanskool, gelaag, skalieagtig in middel en by bo-ent.		10	157	11	**Coal,** bright, banded, shaly in middle and at top.
Skalie, koolstofhoudend, met dun steenkoollagies.	1	9	—		Shale, carbonaceous, with thin coal bands.
Skalie en dungelaagde glanskool, met enkele breë swart skalielae.	8	8	—		Shale and thinly banded bright coal, with occasional broad black shale bands.
Skalie en glanskool	4	6	172	10	Shale and bright coal.
Skalie, koolstofhoudend, met baie 2-dm. tot 4-dm. sideriethoudende steenkoollagies.	13	2	—		Shale, carbonaceous, with many 2-in. to 4-in. sideritic coal bands.
Skalie, breë lae, en breë glanskoollae, om die beurt.	5	4	191	4	Shale, broad bands, and broad bright coal bands, alternating.
Glanskool, gelaag, met twee 2-dm. skalielae na onder.	2	7	—		**Coal,** bright, banded, with two 2-in. shale bands towards bottom.
Skalie en steenkool		10	—		Shale and coal.
Skalie, breë lae, en breë lae van hoofsaaklik glanskool.	4	9	—		Shale, broad bands, and broad bands of mainly bright coal.
Steenkool en skalie; hoofsaaklik dungelaagde glanskool.	1	7	—		**Coal** and shale; mainly thinly banded bright coal.
Glanskool, sideriet- en piriethoudend.		11	—		**Coal,** bright, sideritic and pyritic.
Skalie, swart, en steenkool; hoofsaaklik skalie.	2	1	—		Shale, black, and coal; mainly shale.
Glanskool, gelaag, pikagtig in middelste 4 dm., met ½ dm. swart skalie 2 dm. van bo af; sideriet- en kalsiethoudend by bo- en onderent.		11	205	0	**Coal,** bright, banded, pitchlike in middle 4 in., with ½ in. black shale 2 in. from top; sideritic and calcitic at top and bottom.
Skalie, koolstofhoudend, met baie 2-dm. tot 6-dm. glanskoollagies.	16	2	—		Shale, carbonaceous, with many 2-in. to 6-in. bright coal bands.
Skalie en steenkool, sideriethoudend in onderste helfte.	1	4	—		Shale and coal, sideritic in bottom half.
Skalie		11	223	5	Shale.
Glanskool, plek-plek dungelaag en pikagtig; bevat siderietkorrels.	1	0	224	5	**Coal,** bright, thinly banded and pitchlike in parts; contains sideritic pellets.
Skalie, swart, met 21 lagies steenkool van 1 dm. tot 8 dm. dikte sommige waarvan erg sideriethoudend is.	41	11	—		Shale, black, with 21 bands of coal 1 in. to 8 in. thick some of which are very sideritic.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, koolstofhoudend, en skalieagtige matkool; laasgenoemde oorwegend; bevat enkele glanskoollagies.	18	4	284	8	Shale, carbonaceous, and shaly dull coal; latter predominating; contains occasional bright coal bands.
Steenkool, gemeng; hoofsaaklik skalieagtige matkool.		11	—		**Coal**, mixed; mainly shaly dull coal.
Glanskool en skalieagtige matkool in afwisselende lae, met 'n 6-dm. gelaagde glanskoollaag in middel.	2	1	—		**Coal**, bright, and shaly, dull coal in alternating bands, with a 6-in. banded bright coal band in middle.
Steenkool; afwisselende lae van skalieagtige matkool en hoofsaaklik erg sideriethoudende glanskool.	1	0	—		**Coal**; alternating bands of shaly, dull coal and mainly very sideritic bright coal.
Steenkool; hoofsaaklik skalieagtige matkool.		7	289	3	**Coal**; mainly shaly, dull coal.
Skalie, steenkoolagtig, en skalieagtige steenkool.		9	290	0	Shale, coaly, and shaly coal.
Skalie, vaal tot swart	1	0	—		Shale, grey to black.
Sandsteen, skalieagtig, vaal, fossieldraend.	1	0	—		Sandstone, shaly, grey, fossiliferous.
Sandsteen, wit tot vaalwit, veldspaties, boonste helfte is grofkorrelrig en onderste helfte is middelkorrelrig.	10	8	—		Sandstone, white to greyish white, felspathic, top half is coarse-grained and bottom half is medium-grained.
Skalie, vaal, fossieldraend ...	1	1	—		Shale, grey, fossiliferous.
Skalie, swart en koolstofhoudend; onderste 30 dm. is steenkoolagtig.	26	4	330	1	Shale, black and carbonaceous; bottom 30 in. is coaly.
Steenkool; hoofsaaklik skalieagtige matkool.	1	8	—		**Coal**; mainly shaly, dull coal.
Skalie, vaal en swart	1	0	—		Shale, grey and black.
Skalie, swart, koolstofhoudend en steenkoolagtig, en skalieagtige steenkool.	5	2	—		Shale, black, carbonaceous and coaly, and shaly coal.
Skalie, koolstofhoudend	5	4	—		Shale, carbonaceous.
Skalie, swart, met baie kwartskorrels.	3	9	—		Shale, black, with many quart grains.
Sandsteen en skalie, gemeng ...		8	—		Sandstone and shale, mixed.
Skalie, swart	3	9	—		Shale, black.
Skalie, steenkoolagtig	1	7	353	0	Shale, coaly.
Skalie, vaal		10	—		Shale, grey.
Sandsteen, skalieagtig, ligbruin tot vaal.	2	11	—		Sandstone, shaly, light-brown to grey.
Sandsteen, fynkorrelrig, vaal, mikadraend.	12	9	—		Sandstone, fine-grained, grey, micaceous.
Sandsteen, fynkorrelrig, wit, effens veldspaties, plek-plek mikadraend.	4	8	—		Sandstone, fine-grained, white, slightly felspathic, micaceous in places.
Sandsteen, middel- tot grofkorrelrig, wit, veldspaties.	3	11	—		Sandstone, medium- to coarse-grained, white, felspathic.
Sandsteen, fyn- tot middelkorrelrig, wit, veldspaties.	10	8	—		Sandstone, fine- to medium-grained, white, felspathic.
Sandsteen, grofkorrelrig, veldspaties, grys tot vuilgrys.	1	11	390	8	Sandstone, coarse-grained, felspathic, grey to dirty grey.
Steenkool, gemeng	6	2	396	10	**Coal**, mixed.
Sandsteen, fynkorrelrig, gelaag, vaal tot bruin-swart.	9	3	406	1	Sandstone, fine-grained, laminated, grey to brownish black.
Skalie, steenkoolagtig, plek-plek met 'n wasagtige glans.	2	4	—		Shale, coaly, with a waxy lustre in places.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Steenkool, skalieagtig		7	—		Coal, dull, shaly.
Moddersteen, koolstofhoudend.		4	—		Mudstone, carbonaceous.
Steenkool; hoofsaaklik skalieagtige matkool.	2	7	411	11	Coal; mainly shaly, dull coal.
Matkool, met glanskoolstrepies.		8	—		Coal, dull, with bright coal stringers.
Steenkool; afwisselende lae van gelaagde, gemengde steenkool en matkool; plek-plek skalieagtig en erg kalsiethoudend, met 'n piriethoudende laag in boonste 6 dm.	3	3	—		Coal; alternating bands of banded, mixed coal and dull coal; shaly in places and very calcitic, with a pyritic band in top 6 in.
Moddersteen, koolstofhoudend		3	—		Mudstone, carbonaceous.
Steenkool, gemeng, dof in onderste 3 dm.		11	—		Coal, mixed, dull in bottom 3 in.
Steenkool, skalieagtig, kalsiethoudend.		7	—		Coal, shaly, calcitic.
Steenkool, gemeng, met 'n 3-dm. skalieagtige laag 2 dm. van onder af.	2	7	420	2	Coal, mixed, with a 3-in. shaly band 2 in. from bottom.
Sandsteen, baie fynkorrelrig, gelaag, mikadraend, vaal tot donkervaal en lig vaalbruin.	20	0	—		Sandstone, very fine-grained, laminated, micaceous, grey to dark-grey and light greyish brown.
Sandsteen; afwisselende lagies van witvaal en donkervaal sandsteen, en donkerkleurige tot swart, sanderige skalielagies.	9	5	—		Sandstone; alternating bands of whitish grey and dark-grey sandstone, and dark-coloured to black, sandy shale bands.
Sandsteen, middel- tot grofkorrelrig, veldspaties, vuilvaal en wit, met vaalswart, skalieagtige sandsteenlagies in boonste helfte.	1	10	451	5	Sandstone, medium- to coarse-grained, felspathic, dirty grey and white, with greyish black, shaly sandstone bands in top half.
Matkool hoofsaaklik, met 5 dm. koolstofhoudende sandsteen 4 dm. van bo af en 2 dm. skalieagtige steenkool 3 dm. van onder af.	4	1	455	6	Coal; mainly dull coal, with 5 in. carbonaceous sandstone 4 in. from top and 2 in. shaly coal 3 in. from bottom.
Matkool, skalieagtig		1	—		Coal, dull, shaly.
Sandsteen, skalieagtig, gelaag, vaalswart.	1	4	—		Sandstone, shaly, laminated, greyish black.
Sandsteen, fyn- en grofkorrelrelrig, effens veldspaties, grys tot wit, met vaalswart skalieagtige lagies.	7	1	464	0	Sandstone, fine- and coarse-grained, slightly felspathic, grey to white, with greyish black shaly bands.

BOORGAT 83 : ZAAGPUT 718 : BOREHOLE 83

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 359	N.G.	197	99 6	N.S.
E	**Glanskool**, gelaag, met enkele dun skalielagies; 1½ dm. skalie 6 dm. van bo af en 2 dm. skalie 31 dm. van bo af (11 dm. kernverlies).	70	—	Coal, bright, banded, with occasional thin shale bands; 1½ in. shale 6 in. from top and 2 in. shale 31 in. from top (11 in. core-loss).
	N.G.	142	—	N.S.
D	**Glanskool**, gelaag, met 1 dm. vitriet in boonste 4 dm.	16	—	Coal, bright, banded, with 1 in. black shale and 1 in. vitrain in top 4 in.
	N.G.	9	—	N.S.
C	**Glanskool**, breedgelaag, en skalie; hoofsaaklik steenkool in boonste 8 dm.	22	—	Coal, bright, broadly banded, and shale; mainly coal in top 8 in.
	N.G.	8	—	N.S.
B	**Glanskool**, dungelaag, met baie vitrietlagies; skalieagtig en sideriethoudend in onderste 4 dm.	25	—	Coal, bright, thinly banded, with many vitrain bands; shaly and sideritic in bottom 4 in.
	N.G.	4	—	N.S.
	N.G.	27	—	N.S.
A	**Glanskool**, gelaag; hoofsaaklik skalie in boonste 3 dm.; onderste 6 dm. sideriethoudend; piriethoudend.	15	128 7	Coal, bright, banded; mainly shale in top 3 in.; bottom 6 in. sideritic; pyritic.
Q 360	N.G.	20	141 2	N.S.
D	**Glanskool**, gelaag, pikagtig in onderste 7 dm.; skalieagtig en kalsiethoudend.	21	—	Coal, bright, banded, pitchlike in bottom 7 in.; shaly and calcitic.
	N.G.	30	—	N.S.
C	**Glanskool**, gelaag, pikagtig en kalsiethoudend.	12	—	Coal, bright, banded, pitchlike and calcitic.
	N.G.	49	—	N.S.
B	**Glanskool**, gelaag, skalieagtig by bo-ent.	14	—	Coal, bright, banded, shaly at top.
	N.G.	65	—	N.S.
A	**Glanskool**, gelaag, skalieagtig in middel en by bo-ent.	10	157 11	Coal, bright, banded, shaly in middle and at top.
Q 361	N.G.	64	191 4	N.S.
D	**Glanskool**, gelaag, met twee 2 dm. skalielae na onder.	31	—	Coal, bright, banded, with two 2 in. shale bands towards bottom.
	N.G.	10	—	N.S.
	N.G.	57	—	N.S.
C	**Steenkool** en skalie; hoofsaaklik dungelaagde glanskool.	19	—	Coal and shale; mainly thinly banded bright coal.
	N.G.	11	—	N.S.
	N.G.	25	—	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
B	**Glanskool,** gelaag, pikagtig in middelste 4 dm., met ½ dm. swart skalie 2 dm. van bo af; sideriet- en kalsiethoudend by bo- en onderent.	11	205 0	Coal, bright, banded, pitchlike in middle 4 in., with ½ in. black shale 2 in. from top; sideritic and calcitic at top and bottom.
	N.G.	194	—	N.S.
	N.G.	16	—	N.S.
	N.G.	11	—	N.S.
A	**Glanskool,** plek-plek dungelaag en pikagtig; bevat siderietkorrels.	12	224 5	Coal, bright, thinly banded and pitchlike in parts; contains siderite pellets.
Q 362	N.G.	220	284 8	N.S.
D	**Steenkool,** gemeng; hoofsaaklik skalieagtige matkool.	11	—	Coal, mixed; mainly shaly dull coal.
C	**Glanskool** en skalieagtige matkool in afwisselende lae, met 'n 6-dm. gelaagde glanskoollagie in middel.	25	—	Coal, bright, and shaly, dull coal in alternating bands, with a 6-in. banded bright coal band in middle.
B	**Steenkool;** afwisselende lae van skalieagtige matkool en hoofsaaklik erg sideriethoudende glanskool.	12	—	Coal; alternating bands of shaly, dull coal and mainly very sideritic bright coal.
A	**Steenkool;** hoofsaaklik skalieagtige matkool.	7	289 3	Coal; mainly shaly dull coal.
Q 363	N.G.	31	411 11	N.S.
F	**Matkool,** met glanskoolstrepies.	8	—	Coal, dull, with bright coal stringers.
E	**Steenkool;** afwisselende lae van gelaagde, gemengde steenkool en matkool; plek-plek skalieagtig en erg kalsiethoudend, met 'n piriethoudende laag in boonste 6 dm.	39	—	Coal; alternating bands of banded, mixed coal and dull coal; shaly in places and very calcitic, with a pyritic band in top 6 in.
	N.G.	3	—	N.S.
D	**Steenkool,** gemeng, dof in onderste 3 dm.	11	—	Coal, mixed, dull in bottom 3 in.
C	**Steenkool,** skalieagtig, kalsiethoudend.	7	—	Coal, shaly, calcitic.
B	**Steenkool,** gemeng, met 'n 3-dm. skalieagtige laag 2 dm. van onder af.	31	420 2	Coal, mixed, with a 3-in. shaly band 2 in. from bottom.
	N.G.	240	—	N.S.
	N.G.	113	—	N.S.
	N.G.	22	451 5	N.S.
A	**Matkool** hoofsaaklik, met 5 dm. koolstofhoudende sandsteen 4 dm. van bo af en 2 dm. skalieagtige steenkool 3 dm. van onder af.	49	455 6	Coal; mainly dull coal, with 5 in. carbonaceous sandstone 4 in. from top and 2 in. shaly coal 3 in. from bottom.

BOORGAT 83 : ZAAGPUT 718 : BOREHOLE 83

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 359 E₁	—	−1	1·45	65·3	—	3·4	12·9	33·7	50·0	2½	48·2	—	—	—	—	—
E₂	—	−1	1·45	34·7	—	2·6	44·7	21·9	30·8	—	—	—	—	—	—	—
E	70	—	—	—	—	3·1	23·9	29·6	43·4	—	—	8·5	—	—	4	—
D₁	—	−1	1·45	56·9	—	3·1	16·4	33·7	46·8	3	31·1	—	—	—	—	—
D₂	—	−1	1·45	43·1	—	2·2	45·7	22·2	29·9	—	—	—	—	—	—	—
D	16	—	—	—	—	2·7	29·0	28·8	39·5	—	—	10·6	—	—	4½	—
C₁	—	−1	1·45	42·9	—	3·0	16·9	33·2	46·9	2½	38·4	—	—	—	—	—
C₂	—	−1	1·45	57·1	—	2·4	44·2	23·0	30·4	—	—	—	—	—	—	—
C	22	—	—	—	—	2·7	32·5	27·4	37·4	—	—	9·6	—	—	4½	—
B₁	—	−1	1·45	59·4	—	2·6	16·9	34·4	46·1	4	55·2	—	—	—	—	—
B₂	—	−1	1·45	40·6	—	2·6	32·2	31·0	34·2	—	—	—	—	—	—	—
B	25	—	—	—	—	2·6	23·1	33·0	41·3	—	—	10·7	—	—	4½	—
A	15	—	—	—	—	2·2	35·5	29·9	32·4	1½Ag	36·1	10·6	—	—	4	—
Q 360 D₁	—	−1	1·45	65·7	—	2·9	13·3	34·2	49·6	3	—	—	—	—	—	—
D₂	—	−1	1·45	34·3	—	—	31·5	—	—	—	—	—	—	—	—	—
D	21	—	—	—	—	—	19·5	—	—	—	61·2	8·6	—	—	4	—
C	12	—	—	—	—	2·5	17·8	33·6	46·1	2½	—	—	—	—	—	—
B	14	—	—	—	—	2·4	27·0	32·6	38·0	1½Ag	—	—	—	—	—	—
A	10	—	—	—	—	2·8	26·2	29·2	41·8	P	—	—	—	—	—	—
Q 361 D₁	—	−1	1·45	35·1	—	2·8	14·9	32·5	49·8	2½	—	—	—	—	—	—
D₂	—	−1	1·45	64·9	—	1·8	39·5	24·0	34·7	—	—	—	—	—	—	—
D	31	—	—	—	—	2·1	30·9	27·0	40·0	—	44·2	—	—	—	—	—
C₁	—	−1	1·45	61·4	—	2·5	17·5	34·8	45·2	4½	—	6·9	—	—	4	—
C₂	—	−1	1·45	38·6	—	2·2	30·9	30·0	36·9	—	—	—	—	—	—	—
C	19	—	—	—	—	2·4	22·7	32·9	42·0	—	56·9	10·4	—	—	4	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width. In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
											Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	Dryfsel Float 1·45	1·58
Q 361 B	11	—	—	—	—	2·8	18·7	32·3	46·2	—	66·5	6·0	—	—	4½	—
A	12	—	—	—	—	2·6	19·0	36·2	42·2	3	62·4	8·3	—	—	4	—
Q 362 D	11	—	—	—	—	2·0	31·7	23·2	43·1	—	—	—	—	—	—	—
C_1	—	−1	1·45	47·8	—	2·5	10·0	34·5	53·0	3	—	—	—	—	—	—
C_2	—	−1	1·45 —1·58	12·2	—	1·9	23·8	28·2	46·1	P	—	—	—	—	—	—
C_1C_2	—	−1	1·58	60·0	—	2·4	12·8	33·2	51·6	—	—	—	—	—	—	—
C_3	—	−1	1·58	40·0	—	—	45·5	—	—	—	—	—	—	—	—	—
C	25	—	—	—	—	—	25·8	—	—	—	34·2	7·2	—	—	3	—
B	12	—	—	—	—	1·8	36·3	29·9	32·0	—	12·6	7·6	—	—	2½	—
A	7	—	—	—	—	1·8	38·7	19·7	39·8	—	—	—	—	—	—	—
Q 363 F	8	—	—	—	—	2·2	16·2	22·4	59·2	—	—	—	—	—	—	—
E_1E_2	—	−1	1·58	73·0	12·3	2·7	13·8	26·6	56·9	1½	—	—	—	—	—	—
E_3	—	−1	1·58	27·0	—	—	44·1	—	—	—	—	—	—	—	—	—
E	39	—	—	—	—	—	21·9	—	—	—	17·8	7·8	—	—	F	—
D_1D_2	—	−1	1·58	85·0	11·9	2·4	15·8	25·4	56·4	P	—	—	—	—	—	—
D_3	—	−1	1·58	15·0	—	—	43·0	—	—	—	—	—	—	—	—	—
D	11	—	—	—	—	—	20·0	—	—	—	34·3	7·2	—	—	—	—
C	7	—	—	—	—	1·7	25·1	31·4	41·8	—	—	—	—	—	—	—
B_1	—	−1	1·45	72·2	13·0	2·6	10·0	30·7	56·7	2	—	—	—	—	—	—
B_2	—	−1	1·45 —1·58	15·2	—	2·1	21·3	21·2	55·4	—	—	—	—	—	—	—
B_1B_2	—	−1	1·58	87·4	—	2·5	12·0	29·1	56·4	—	—	—	—	—	—	—
B_3	—	−1	1·58	12·6	—	—	42·3	—	—	—	—	—	—	—	—	—
B	28	—	—	—	—	—	15·8	—	—	—	—	—	—	—	—	—
A_1	—	−1	1·58	79·8	12·3	2·7	14·6	24·1	58·6	—	63·5	7·8	—	—	1Ag	—
A_2	—	−1	1·58	20·2	—	—	40·8	—	—	—	38·0	8·0	—	—	F	—
A	44	—	—	—	—	—	19·9	—	—	—	—	—	—	—	—	—

BOORGAT 84 : MC CABES VLEY 1371 : BOREHOLE 84

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Moddersteen, vaal	148 0	—	Mudstone, grey.
Skalie, kleiagtig	1 9	149 9	Shale, clayey.
Glanskool, gelaag, kalsiet- en piriethoudend, met 1 dm. skalie by onderent.	1 8	—	**Coal**, bright, banded, calcitic and pyritic, with 1 in. shale at bottom.
Skalie, kleiagtig, vaal, met 'n bietjie swart skalie.	5 4	—	Shale, clayey, grey, with a little black shale.
Skalie en gelaagde glanskool; kalsiet- en sideriethoudend.	11	—	Shale and banded, bright coal; calcitic and sideritic.
Skalie, swart, met 'n glyvlak ...	5	—	Shale, black, with a slip plane.
Skalie en gelaagde glanskool ...	1 3	—	Shale and banded, bright coal.
Skalie, swart, met vyf 5-dm. tot 7-dm. steenkoollagies.	7 4	—	Shale, black, with five 5-in. to 7-in. coal bands.
Glanskool, gelaag, met 'n paar dun skalielagies, 'n 3½-dm. koolstofhoudende skalielagie 24 dm. van bo af en 'n 3-dm. skalielagie 36 dm. van bo af.	4 0	—	**Coal**, bright, banded, with a few thin shale bands, a 3½-in. carbonaceous shale band 24 in. from top and a 3-in. shale band. 36 in. from top.
Skalie, swart	5	—	Shale, black.
Skalie en gelaagde glanskool; boonste 10 dm. is meer glansend; piriethoudend.	1 10	—	Shale and banded, bright, coal; top 10 in. is brighter; pyritic.
Skalie, swart, met 'n 11-dm. kalsietknol in onderste deel.	4 8	—	Shale, black, with an 11-in. calcite nodule in bottom portion.
Skalie en gelaagde glanskool, met 'n glyvlak in middel.	10 8	—	Shale and banded, bright coal, with a slip plane in middle.
Skalie, koolstofhoudend, met steenkoolstrepies en 'n 2-dm. glanskoollaag by bo-ent.	10	—	Shale, carbonaceous, with coal stringers and a 2-in. bright coal band at top.
Glanskool, gelaag, met enkele dun skalielagies; kalsiet- en piriethoudend.	3 7	192 8	**Coal**, bright, banded, with occasional thin shale bands; calcitic and pyritic.
Skalie, swart	1 0	193 8	Shale, black.
Glanskool, gelaag, en skalie, in dun afwisselende lagies.	4 3	—	**Coal**, bright, banded, and shale, in thin alternating bands.
Glanskool, gelaag, met enkele vitrietagtige lagies; kalsiethoudend en fusietagtig.	3 1	—	**Coal**, bright, banded, with occasional vitrainous bands; calcitic and fusainous.
Skalielagies, dun, en dun glanskoollagies.	1 11	—	Shale bands, thin, and thin bright coal bands.
Glanskool, met enkele dun skalielagies, drie 2-dm. skalielagies in middel en by onderent en twee 6-dm. skalielagies 12 dm. en 52 dm. van bo af; kalsiet- en piriethoudend.	5 3	—	**Coal**, bright, with occasional thin shale bands, three 2-in. shale bands in middle and at bottom and two 6-in. shale bands 12 in. and 52 in. from top; calcitic and pyritic.
Skalie, swart	1 11	—	Shale, black.
Skalie en gelaagde glanskool; piriethoudend.	1 9	—	Shale and banded, bright coal; pyritic.
Skalie, vaal, kleiagtig, met 'n 3-dm. steenkoollagie.	5 0	216 10	Shale, grey, clayey, with a 3-in. coal band.
Glanskool, gelaag, met 'n paar dun skalielagies.	1 8	—	**Coal**, bright, banded, with a few thin shale bands.
Skalie, swart, met 'n dun steenkoollagie.	1 4	—	Shale, black, with a thin coal band.
Skalie en gelaagde glanskool ...	11	—	Shale and banded, bright coal.
Skalie, swart	11	—	Shale, black.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Glanskool, gelaag, met enkele vitrietlagies; boonste 15 dm. is effens sideriethoudend; piriet- en kalsiethoudend.	2 11	224 7	**Coal,** bright, banded, with an occasional vitrain band; top 15 in. is slightly sideritic; pyritic and calcitic.
Skalie, vaal	10	—	Shale, grey.
Glanskool, gelaag, met skalielagies by onderent; sideriethoudend.	1 0	—	**Coal,** bright, banded, with shale bands at bottom; sideritic.
Skalie, swart, met 'n bietjie vaal skalie en twee 2-dm. en 6-dm. steenkoollagies.	13 7	240 0	Shale, black, with a little grey shale and two 2-in. and 6-in. coal bands.
Steenkool, gemeng, en skalie, met 2 dm. skalie 10 dm. van bo af en 1 dm. moddersteen in middel; effens sideriethoudend oor onderste 15 dm. (4 dm. kernverlies).	4 1	—	**Coal,** mixed, and shale, with 2 in. shale 10 in. from top and 1 in. mudstone in middle; slightly sideritic over bottom 15 in. (4 in. core-loss).
Skalie, swart, met 'n 4-dm. steenkoollagie.	3 6	—	Shale, black, with a 4-in. coal band.
Skalie en steenkool, met enkele vitriet- en glanskoollagies.	5 5	—	Shale and coal, with occasional vitrain and bright coal bands.
Glanskool en skalie, in afwisselende lagies, met enkele breë vitrietagtige lagies.	3 5	—	**Coal,** bright bands, and shale bands, alternating, with occasional, wide vitrainous bands.
Skalie, swart, met dun glanskoollagies.	2 0	—	Shale, black, with thin bright coal bands.
Steenkool en skalie, met 2 dm. skalie 29 dm. van bo af; plek-plek piriethoudend.	5 0	263 9	Coal and shale, with 2 in. shale 29 in. from top; pyritic in places.
Skalielae, swart, en lae van gemengde, hoofsaaklik glanskool; steenkoollae bevat baie vitrietagtige lagies; twee glyvlakke kom voor in die skalies in onderste helfte.	7 11	—	Shale bands, black, and bands of mixed, mainly bright coal; coal bands contain many vitrainous bands; two slip planes occur in the shale in bottom half.
Skalie, swart en koolstofhoudend, met 24 2-dm. tot 4-dm. steenkoollagies en vier 6-dm. tot 9-dm. steenkoollagies; baie lagies is sideriethoudend.	26 7	298 3	Shale, black and carbonaceous, with 24 2-in. to 4-in. coal bands and four 6-in. to 9-in. coal bands; many bands are sideritic.
Steenkool, gemeng, onderste 2 dm. is sideriethoudend.	1 1	—	**Coal,** mixed, bottom 2 in. is sideritic.
Glanskool, erg sideriethoudend.	7	—	**Coal,** bright, very sideritic.
Glanskool, vitrietagtig, effens sideriethoudend; 'n paar piriethoudende skalielagies kom voor by onderent.	8	300 7	**Coal,** bright, vitrainous, slightly sideritic; a few pyritic shale bands occur at bottom.
Skalie, swart, met tien 2-dm. tot 5-dm. steenkoollagies; baie is sideriethoudend.	17 9	318 4	Shale, black, with ten 2-in. to 5-in. coal bands; many are sideritic.
Skalie, swart	22 5	—	Shale, black.
Skalie en steenkool; onderent is sideriethoudend.	1 10	—	Shale and coal; bottom is sideritic.
Skalie, swart, met ses 3-dm. tot 6-dm. steenkoollagies.	9 2	351 9	Shale, black, with six 3-in. to 6-in. coal bands.
Glanskool, gelaag, en skalie; effens sideriethoudend; fusietagtig.	2 3	—	**Coal,** bright, banded, and shale; slightly sideritic; fusainous.
Skalie, swart, met 'n paar dun steenkoollagies.	5 7	359 7	Shale, black, with a few thin coal bands.

Bg. 84 (*Verv.*) B.H. 84 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, koolstofhoudend, met ses 3-dm. tot 7-dm. steenkoollagies; sommige is sideriethoudend; glyvlakke kom voor op verskeie plekke.	14	5	—		Shale, carbonaceous, with six 3-in. to 7-in. coal bands; some are sideritic; slip planes occur at several places.
Skalie, koolstofhoudend, steenkoolagtige skalie en 'n bietjie skalieagtige steenkool naby onderent, met 'n paar dun glanskoollagies; glyvlak in middel.	16	8	390	8	Shale, carbonaceous, coaly shale and some shaly coal near bottom, with a few thin bright coal bands; slip plane in middle.
Matkool, swaar, met 'n bietjie glanskool by bo-ent, en skalieagtige steenkool; kalsiethoudend.	1	8	—		**Coal,** dull, heavy, with a little bright coal at top, and shaly coal; calcitic.
Skalie, koolstofhoudend		3	—		Shale, carbonaceous.
Matkool, swaar, en skalieagtige steenkool, met 'n bietjie glanskool by onderent; 3 dm. koolstofhoudende skalie 16 dm. van bo af; kalsiet- en piriethoudend.	3	1	—		**Coal,** dull, heavy, and shaly coal, with a little bright coal at bottom; 3 in. carbonaceous shale 16 in. from top; calcitic and pyritic.
Steenkool, gemeng, erg skalieagtig.		6	—		**Coal,** mixed, very shaly.
Steenkool, gemeng, boonste helfte dowwer; twee 1-dm. moddersteenlagies 26 dm. en 39 dm. van bo af; sideriethoudend in middel; piriethoudend.	3	6	399	8	**Coal,** mixed, top half duller; two 1-in. mudstone bands 26 in. and 39 in. from top; sideritic in middle; pyritic.
Skalie, steenkoolagtig, skalieagtige steenkool en koolstofhoudende skalie.	2	10	402	6	Shale, coaly, shaly coal and carbonaceous shale.
Sandsteen, fynkorrelrig, gelaag, vaal, effens skalieagtig; fossieldraend.	2	0	—		Sandstone, fine-grained, laminated, grey, slightly shaly, fossiliferous.
Sandsteen, fynkorrelrig, vaal, mikadraend.	1	2	—		Sandstone, fine-grained, grey, micaceous.
Sandsteen, fynkorrelrig, gelaag, vaal, effens skalieagtig, fossieldraend.	1	0	—		Sandstone, fine-grained, laminated, grey, slightly shaly, fossiliferous.
Moddersteen, vaal	1	2	407	10	Mudstone, grey.
Skalie, swart, en koolstofhoudende skalie, met 'n bietjie gemengde steenkool by bo-ent.	7	8	—		Shale, black, and carbonaceous shale, with some mixed coal at top.
Skalie; swart, steenkoolagtige, en koolstofhoudende skalie.	5	10	—		Shale; black, coaly, and carbonaceous shale.
Sandsteen, middelkorrelrig, vaal.		6	—		Sandstone, medium-grained, grey.
Skalie, swart, met enkele steenkoolstrepies.	8	0	—		Shale, black, with occasional coal stringers.
Skalie, swart, plek-plek fusiethoudend en bevat baie kwartskorrels.	1	2	—		Shale, black, fusainous in places and contains many quartz grains.
Skalie, swart	1	10	432	10	Shale, black.
Skalie, koolstofhoudend, kalsiethoudend.	3	2	—		Shale, carbonaceous, calcitic.
Matkool, swaar, skalieagtig, en bevat aartjies van kleiagtige materiaal.	2	3	—		**Coal,** dull, shaly, and contains veins of clayey material.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, koolstofhoudend, piriethoudend.	2	9	441	0	Shale, carbonaceous, pyritic.
Skalie; swart, koolstofhoudende en bruin skalie; bevat baie kwartskorrels tot 2 m.m. deursnee en verleen 'n sanderige voorkoms aan geheel.	6	3	—		Shale; black, carbonaceous and brown shale; contains many quartz grains up to 2 m.m. diameter and imparts a sandy appearance to the whole.
Skalie, swart, met baie minder kwartskorrels.	8	2	—		Shale, black, with far less quartz grains.
Sandsteenlagies, fynkorrelrig, swart en koolstofhoudend, en swart, sanderige skalielagies.	3	7	—		Sandstone bands, fine-grained, black and carbonaceous, and black, sandy shale bands.
Skalie, swart, plek-plek sanderig; bevat steenkoolstrepies in onderste 18 dm.	2	8	—		Shale, black, sandy in parts; contains coal stringers in bottom 18 in.
Sandsteenlagies, fynkorrelrig, swart en koolstofhoudend, en swart, sanderige skalielagies.	3	3	—		Sandstone bands, fine-grained, black and carbonaceous, and black, sandy shale bands.
Sandsteen, middel- tot grofkorrelrig, massief, veldspaties, wit; onderste 20 dm. is vaalkleurig tot grys.	34	4	499	3	Sandstone, medium- to coarse-grained, massive, felspathic, white; bottom 20 in. is buff-coloured to grey.
Steenkool, gemeng; hoofsaaklik matkool (kern gebreek en 14 dm. kernverlies).	2	9	503	2	**Coal,** mixed; mainly dull coal. (core broken and 14 in. core-loss).
Sandsteen, erg fynkorrelrig, gelaag; onderste 3 vt. vaal tot donkervaal en effens skalieagtig.	9	4	512	6	Sandstone, very fine-grained, laminated; bottom 3 ft. grey to dark-grey and slightly shaly.
Glanskool, gelaag		2	—		**Coal,** bright, banded.
Sandsteen, middelkorrelrig, koolstofhoudend.		3	—		Sandstone, medium-grained, carbonaceous.
Glanskool, gelaag		2	—		**Coal,** bright, banded.
Sandsteen, middelkorrelrig, koolstofhoudend.		7	—		Sandstone, medium-grained, carbonaceous.
Skalie, koolstofhoudend		11	514	7	Shale, carbonaceous.
Matkool, met 2 dm. glanskool by onderent en in middel; ½ dm. skalie 16 dm. van bo af (onderste deel van kern is gebreek, met 9 dm. kernverlies).	2	11	—		**Coal,** dull, with 2 in. bright coal at bottom and in middle; ½ in. shale 16 in. from top (bottom portion of core is broken, with 9 in. core-loss).
Moddersteen en koolstofhoudende skalie.		7	518	10	Mudstone and carbonaceous shale.
Matkool, met enkele dun vitrietlagies; 1 dm. koolstofhoudende skalie 22 dm. van bo af en 'n 1-dm. moddersteenlagie.	3	4	—		**Coal,** dull, with occasional vitrain bands; 1 in. carbonaceous shale 22 in. from top and a 1-in. mudstone band.
Steenkool, gemeng, met baie vitrietlagies; ½ dm. sandsteen 16 dm. van bo af en 1 dm. koolstofhoudende moddersteen 31 dm. van bo af; ½ dm. skalieagtige steenkool heel bo (kern erg gebreek en 9 dm. kernverlies tussen 518 vt. 10 dm. en 527 vt. 8 dm.).	4	9	527	8	**Coal,** mixed, with many vitrain bands; ½ in. sandstone 16 in. from top and 1 in. carbonaceous mudstone 31 in. from top; ½ in. shaly coal right at top (core badly broken and 9 in. core-loss between 518 ft. 10 in. and 527 ft. 8 in.).
Sandsteen, erg fynkorrelrig, gelaag, donkervaal, plek-plek lig vaalbruin; mikadraend, onderste 4 vt. effens skalieagtig.	17	4	—		Sandstone, very fine-grained, laminated, dark grey, light greyish brown in places; micaceous, bottom 4 ft. slightly shaly.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sandsteenlagies, gryswit tot vuilvaal, middel- tot grofkorrelrig, en swart, effens sanderige skalielagies, om die beurt.	10	6	—		Sandstone bands, greyish white to dirty grey, medium- to coarse-grained, and black, slightly sandy shale bands, alternating.
Sandsteen, middelkorrelrig, veldspaties.	3	0	558	6	Sandstone, medium-grained, felspathic.
Glanskool, gelaag, en matkool.		5	—		**Coal,** bright, banded, and dull coal.
Sandsteen, swart		0½	—		Sandstone, black.
Matkool, fusietagtig		0½	—		**Coal,** dull, fusainous.
Sandsteen, middelkorrelrig, swart.		3	—		Sandstone, medium-grained, black.
Skalie, korrelrig; koolstofhoudend en steenkoolagtig in onderste helfte.	1	5	560	9	Shale, granular; carbonaceous and coaly in bottom half.
Matkool, met enkele glanskoolstrepies by onderent (kern gebreek).	3	0	563	9	**Coal,** dull, with a few bright coal stringers at bottom (core broken).
Sandsteen, fynkorrelrig, vaalswart.	1	6	—		Sandstone, fine-grained, greyish black.
Sandsteen, fynkorrelrig, gelaag, met koolstofhoudende deeltjies.	1	4	—		Sandstone, fine-grained, laminated, with carbonaceous portions.
Sandsteen, fynkorrelrig, vaalswart.	2	5	—		Sandstone, fine-grained, greyish black.
Sandsteen, fynkorrelrig, koolstofhoudend.		6			Sandstone, fine-grained, carbonaceous.
Steenkool, gemeng		5	—		**Coal,** mixed.
Sandsteen, wit, massief, velspaties, middelkorrelrig tot grintagtig.	22	3	—		Sandstone, white, massive, felspathic, medium-grained to gritty.
Sandsteen; vaal, fynkorrelrige lagies en swart, skalieagtige lagies, om die beurt.	7	6	—		Sandstone; grey, fine-grained bands, and black, shaly bands, alternating.
Sandsteen, vaalswart, fynkorrelrig; onderste en boonste een derde bevat swart lagies.	8	6	—		Sandstone, greyish black, fine-grained; bottom and top one third contains black bands.
Skalielae, swart, effens sanderig, en fyn- tot middelkorrelrige vaalswart en swart sandsteenlagies, om die beurt.	5	3	—		Shale bands, black, slightly sandy, and fine- to medium-grained greyish black and black sandstone bands, alternating.
Skalie, swart, met enkele dun lagies fyn- tot middelkorrelrige sandsteen.	16	7	630	0	Shale, black, with occasoinal thin bands of fine- to medium-grained sandstone.

BOORGAT 84 : MC CABES VLEY 1371 : BOREHOLE 84

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. In.	*Vt. Dm. Ft. In.*	
Q 511	N.G.	21	149 9	N.S.
C	**Glanskool,** gelaag, kalsiet- en piriethoudend, met 1 dm. skalie by onderent.	20	—	**Coal,** bright, banded, calcitic and pyritic, with 1 in. shale at bottom.
	N.G.	119	—	N.S.
B	**Glanskool,** gelaag, met 'n paar dun skalielagies; 'n 3½-dm. koolstofhoudende skalielagie 24 dm. van bo af en 'n 3-dm. skalielagie 36 dm. van bo af uitgesluit.	48	—	**Coal,** bright, banded, with a few thin shale bands; a 3½-in. carbonaceous shale band 24 in. from top, and a 3-in. shale band 36 in. from top excluded.
	N.G.	221	—	N.S.
A	**Glanskool,** gelaag, met enkele dun skalielagies; kalsiet- en piriethoudend.	43	192 8	**Coal,** bright, banded, with occasional thin shale bands; calcitic and pyritic.
Q 512	N.G.	12	193 8	N.S.
E	**Glanskool,** gelaag, en skalie, in dun afwisselende lagies.	51	—	**Coal,** bright, banded, and shale, in thin alternating bands.
D	**Glanskool,** gelaag, met enkele vitrietagtige lagies; kalsiethoudend en fusietagtig.	37	—	**Coal,** bright, banded, with occasional vitrainous bands; calcitic and fusainous.
	N.G.	23	—	N.S.
C	**Glanskool,** met enkele dun skalielagies; drie 2-dm. skalielagies in middel en by onderent en twee 6-dm. skalielagies 12 dm. en 52 dm. van bo af uitgesluit; kalsiet- en piriethoudend.	63	—	**Coal,** bright, with occasional thin shale bands; three 2-in. coal bands in middle and at bottom and two 6-in. shale bands 12 in. and 52 in. from top; calcitic and pyritic.
	N.G.	104	216 10	N.S.
B	**Glanskool,** gelaag, met 'n paar dun skalielagies.	20	—	**Coal,** bright, banded, with a few thin shale bands.
	N.G.	38	—	N.S.
A	**Glanskool,** gelaag, met enkele vitrietlagies; boonste 15 dm. effens sideriethoudend; piriet- en kalsiethoudend.	35	224 7	**Coal,** bright, banded, with occasional vitrain bands; top 15 in. slightly sideritic; pyritic and calcitic.
Q 513	N.G.	163	240 0	N.S.
C	**Steenkool,** gemeng, en skalie, met 2 dm. skalie 10 dm. van bo af en 1 dm. moddersteen in middel uitgesluit; effens sideriethoudend oor onderste 15 dm. (4 dm. kernverlies).	49	—	**Coal,** mixed, and shale, with 2 in. shale 10 in. from top and 1 in. mudstone in middle excluded; slightly sideritic over bottom 15 in. (4 in. core-loss).
	N.G.	107	—	N.S.

No. van B.N.I.-monster, F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
B	**Glanskool,** en skalie, in afwisselende dun lagies, met enkele breë vitrietagtige lagies.	41	—	Coal, bright, and shale, in alternating thin bands, with occasional broad vitrainous bands.
	N.G.	24	—	N.S.
A	**Steenkool** en skalie, met 2 dm. skalie 29 dm. van bo af uitgesluit; plek-plek piriethoudend.	60	263 9	Coal, and shale, with 2 in. shale 29 in. from top excluded; pyritic in places.
Q 514	N.G.	319	298 3	N.S.
C	**Steenkool,** gemeng, onderste 2 dm. is sideriethoudend.	13	—	Coal, mixed, bottom 2 in. is sideritic.
	N.G.	7	—	N.S.
B	**Glanskool,** vitrietagtig, effens sideriethoudend, met 'n paar piriethoudende skalielagies by onderent.	8	300 7	Coal, bright, vitrainous, slightly sideritic, with a few pyritic shale bands at bottom.
	N.G.	614	—	N.S.
A	**Glanskool,** gelaag, en skalie; effens sideriethoudend; fusietagtig.	27	354 0	Coal, bright, banded, and shale; slightly sideritic; fusainous.
Q 515	N.G.	200	390 8	N.S.
C	**Matkool,** swaar, met 'n bietjie glanskool by bo-ent, en skalieagtige steenkool; kalsiethoudend.	20	—	Coal, dull, heavy, with a little bright coal at top, and shaly coal; calcitic.
	N.G.	3	—	N.S.
B	**Matkool,** swaar, en skalieagtige steenkool, met 'n bietjie glanskool by onderent; 3 dm. koolstofhoudende skalie 16 dm. van bo af uitgesluit; kalsiet- en piriethoudend.	37	—	Coal, dull, heavy, and shaly coal, with a little bright coal at bottom; 3 in. carbonaceous shale 16 in. from top excluded; calcitic and pyritic.
	N.G.	6	—	N.S.
A	**Steenkool,** gemeng, boonste helfte dowwer; twee 1-dm. moddersteenlagies 26 dm. en 39 dm. van bo af; sideriethoudend in middel; piriethoudend.	42	399 8	Coal, mixed, top half duller; two 1-in. mudstone bands 26 in. and 39 in. from top; sideritic in middle; pyritic.
Q 516	N.G.	412	499 3	N.S.
A	**Steenkool,** gemeng; hoofsaaklik matkool (kern gebreek en 14 dm. kernverlies).	33	503 2	Coal, mixed; mainly dull coal (core broken and 14 in. core-loss).

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 517	N.G.	11	514 7	N.S.
C	**Matkool,** met 2 dm. glanskool by onderent en in middel; ½ dm. skalie 16 dm. van bo af (onderste deel van kern gebreek met 9 dm. kernverlies).	35	—	**Coal,** dull, with 2 in. bright coal at bottom and in middle; ½ in. shale 16 in. from top (bottom portion of core broken with 9 in. core-loss).
	N.G.	7	518 10	N.S.
B	**Matkool,** met enkele dun vitrietlagies; 1 dm. koolstofhoudende skalie 22 dm. van bo af en 1 dm. moddersteenlagie uitgesluit.	40	—	**Coal,** dull, with occasional thin vitrain bands; 1 in. carbonaceous shale 22 in. from top and 1 in. mudstone band excluded.
A	**Steenkool,** gemeng, met baie vitrietlagies; ½ dm. sandsteen 16 dm. van bo af en 1 dm. koolstofhoudende moddersteen 31 dm. van bo af; ½ dm. skalieagtige steenkool heel bo (kern erg gebreek en 9 dm. kernverlies tussen 518 vt. 10 dm. en 527 vt. 8 dm.).	57	527 8	**Coal,** mixed, with many vitrain bands; ½ in. sandstone 16 in. from top and 1 in. carbonaceous mudstone 31 in. from top; ½ in. shaly coal right at top (core badly broken and 9 in. core-loss between 518 ft. 10 in. and 527 ft. 8 in.).
Q 518	N.G.	17	560 9	N.S.
A	**Matkool,** met enkele glanskoolstrepies by onderent (kern gebreek).	36	563 9	**Coal,** dull, with a few bright coal stringers at bottom (core broken).

BOORGAT 84 : MC CABES VLEY 1371 : BOREHOLE 84

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	Wastoets Washing Test			Kortanalises (Luggedroogde steenkool) Proximate Analyses (Air-dried coal)						Soortlike Gewig-Afskeiding (−16 maas B.S.S.) Specific Gravity Separation (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 511 C_1	—	−1	1·45	34·5	—	3·0	17·1	34·1	45·8	4	—	—	—	—	—	—
C_2	—	−1	1·45	65·5	—	—	38·6	—	—	—	—	—	—	—	—	—
C	20	—	—	—	—	—	31·2	—	—	—	35·1	8·6	58·6	13·4	3½	1½
B_1	—	−1	1·45	53·9	—	3·2	15·6	32·7	48·5	3	—	—	—	—	—	—
B_2	—	−1	1·45	46·1	—	—	34·3	—	—	—	—	—	—	—	—	—
B	41½	—	—	—	—	—	24·2	—	—	—	49·2	9·7	81·7	17·9	2½	2
A_1	—	−1	1·45	66·0	—	3·1	14·0	34·4	48·5	4	—	—	—	—	—	—
A_2	—	−1	1·45	34·0	—	—	31·7	—	—	—	—	—	—	—	—	—
A	43	—	—	—	—	—	20·0	—	—	—	53·8	8·2	81·8	13·4	3½	2½
Q 512 E	51	—	—	—	—	2·5	35·4	26·7	35·4	1	29·0	9·0	51·2	14·1	2½	2½
D_1	—	−1	1·45	61·7	—	3·0	16·5	33·1	47·4	3½	—	—	—	—	—	—
D_2	—	−1	1·45	38·3	—	—	33·0	—	—	—	—	—	—	—	—	—
D	37	—	—	—	—	—	22·8	—	—	—	50·5	8·9	78·2	15·2	4	2½
C_1	—	−1	1·45	74·0	—	3·2	12·5	33·5	50·8	3½	—	—	—	—	—	—
C_2	—	−1	1·45	26·0	—	1·6	36·0	27·0	35·4	—	—	—	—	—	—	—
C	45	—	—	—	—	—	18·6	—	—	—	66·5	7·5	84·5	12·2	3½	1½
B_1	—	−1	1·45	65·2	—	3·1	17·3	33·0	46·6	2½	—	—	—	—	—	—
B_2	—	−1	1·45	34·8	—	—	33·6	—	—	—	—	—	—	—	—	—
B	20	—	—	—	—	—	23·0	—	—	—	56·3	9·6	79·4	16·6	3	2
A_1	—	−1	1·45	65·9	—	2·9	16·5	32·5	48·1	3½	—	—	—	—	—	—
A_2	—	−1	1·45	34·1	—	—	37·2	—	—	—	—	—	—	—	—	—
A	35	—	—	—	—	—	23·6	—	—	—	44·4	10·7	77·2	15·1	4	2½
Q 513 C_1	—	−1	1·45	26·0	—	3·0	14·1	33·0	49·9	3	—	—	—	—	—	—
C_2	—	−1	1·45	74·0	—	—	36·6	—	—	—	—	—	—	—	—	—
C	46	—	—	—	—	—	30·8	—	—	—	27·8	8·0	57·1	14·6	3	2½

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal) V.w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.) Dryfsel, 1·45 Float, 1·45 Op-brengs Yield %	Dryfsel, 1·45 Float, 1·45 As Ash %	Dryfsel, 1·58 Float, 1·58 Op-brengs Yield %	Dryfsel, 1·58 Float, 1·58 As Ash %	Sw.-syfer Swelling number Dryfsel Float 1·45	Sw.-syfer Swelling number Dryfsel Float 1·58
Q 513 B₁	—	−1	1·45	26·8	—	2·9	16·2	31·6	49·3	2½	—	—	—	—	—	—
B₂	—	−1	1·45	73·2	—	—	37·0	—	—	—	—	—	—	—	—	—
B	41	—	—	—	—	—	31·4	—	—	—	14·8	9·4	54·8	13·1	2	2
A₁	—	−1	1·45	72·1	—	2·7	15·5	34·6	47·2	3	—	—	—	—	—	—
A₂	—	−1	1·45	27·9	—	—	38·6	—	—	—	—	—	—	—	—	—
A	58	—	—	—	—	—	21·9	—	—	—	—	—	79·8	14·3	3	2½
Q 514 C	13	—	—	—	—	2·0	25·5	33·5	39·0	2½	46·7	10·4	75·2	18·7	3½	2½
B	8	—	—	—	—	2·2	24·9	35·6	37·3	2½	54·0	6·6	68·9	9·5	4	3½
A₁	—	−1	1·45	49·5	—	2·6	11·0	36·0	50·4	2½	—	—	—	—	—	—
A₂	—	−1	1·45	50·5	—	—	45·1	—	—	—	—	—	—	—	—	—
A	27	—	—	—	—	—	28·2	—	—	—	43·1	7·9	58·8	9·4	3½	3
Q 515 C	20	—	—	—	—	2·0	39·4	19·5	39·1	F	8·4	—	17·7	—	—	1Ag
B	34	—	—	—	—	2·0	39·9	20·2	37·9	F	4·4	—	30·5	—	—	F
A₁	—	−1	1·45	29·2	—	2·6	10·2	25·2	62·0	2½	—	—	—	—	—	—
A₂	—	−1	1·45	70·8	—	—	38·6	—	—	—	—	—	—	—	—	—
A	42	—	—	—	—	—	30·2	—	—	—	29·1	8·9	48·9	12·8	2½	1Ag
Q 516 A₁	—	−1	1·45	49·5	12·5	2·4	12·4	24·5	60·7	F	—	—	—	—	—	—
A₂	—	−1	1·45	50·5	—	—	36·1	—	—	—	—	—	—	—	—	—
A	33	—	—	—	—	—	24·4	—	—	—	36·1	7·5	63·9	12·4	1½Ag	F
Q 517 C₁	—	−1	1·58	58·7	11·7	2·2	17·4	23·4	57·0	1Ag	—	—	—	—	—	—
C₂	—	−1	1·58	41·3	—	—	40·3	—	—	—	—	—	—	—	—	—
C	44	—	—	—	—	—	26·9	—	—	—	21·3	8·5	55·2	12·9	1½Ag	1Ag
B₁	—	−1	1·58	75·7	12·2	2·2	14·6	23·7	59·5	F	—	—	—	—	—	—
B₂	—	−1	1·58	24·3	—	—	43·2	—	—	—	—	—	—	—	—	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 517 B	38	—	—	—	—	—	21·6	—	—	—	28·9	8·3	73·0	12·3	1½Ag	F
A_1	—	−1	1·45	60·9	12·8	2·4	11·4	27·8	58·4	1Ag	—	—	—	—	—	—
A_2	—	−1	1·45	39·1	—	—	31·5	—	—	—	—	—	—	—	—	—
A	57	—	—	—	—	—	19·3	—	—	—	46·4	7·4	78·1	11·8	1½Ag	1½Ag
Q 518 A_1	—	−1	1·58	75·4	11·7	2·5	17·0	21·7	58·8	—	—	—	—	—	—	—
A_2	—	−1	1·58	24·6	—	—	33·1	—	—	—	—	—	—	—	—	—
A	37	—	—	—	—	—	21·0	—	—	—	30·8	8·1	67·0	13·7	1Ag	—

BOORGAT 85 : HOOIKRAAL 721 : BOREHOLE 85

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	Dm. In.	Vt. Ft.	Dm. In.	
Sand	3	0	—		Sand.
Lateriet	10	0	—		Laterite.
Moddersteen, vaal, plek-plek liggeel.	262	0	275	0	Mudstone, grey, light-yellow in places.
Moddersteen, vaal en geel ...	8	0	—		Mudstone, grey and yellow.
Moddersteen, ligpers en vaal ...	5	0	—		Mudstone, light-purple and grey.
Moddersteen, skalieagtig, swart	2	1	290	1	Mudstone, shaly, black.
Glanskool, gelaag, met baie skalielagies; piriethoudend.	1	3	—		**Coal,** bright, banded, with many shale bands; pyritic.
Skalie, vaalswart	2	1	—		Shale, greyish black.
Moddersteen, vaal	3	11	—		Mudstone, grey.
Skalielae, breed, en breë, gelaagde glanskoollae, om die beurt.	3	0	—		Shale bands, broad, and broad bands of banded, bright coal, alternating.
Moddersteen, vaal	2	6	—		Mudstone, grey.
Skalie, met steenkoollagies ...		6	303	4	Shale, with coal bands.
Glanskool, gelaag	1	3	—		**Coal,** bright, banded.
Skalie, koolstofhoudend		8	—		Shale, carbonaceous.
Glanskool, gelaag		6	—		**Coal,** bright, banded.
Skalie, swart, breë lae, en gelaagde glanskoollae, om die beurt; glyvlak by bo-ent; piriethoudend.	4	0	309	9	Shale, black, broad bands, and bands of banded bright coal, alternating; slip planes at top; pyritic.
Skalie, koolstofhoudend		11	310	8	Shale, carbonaceous.
Glanskool, gelaag, met 'n moddersteenlens.	1	0	—		**Coal,** bright, banded, with a mudstone lens.
Skalie, koolstofhoudend, met baie steenkoolstrepies.		10	—		Shale, carbonaceous, with many coal stringers.
Glanskool, gelaag, piriethoudend.	1	2	—		**Coal,** bright, banded, pyritic.
Skalie, swart		5	—		Shale, black.
Glanskool, gelaag, kalsiethoudend.	1	1	—		**Coal,** bright, banded, calcitic.
Glanskool, gelaag, fusietagtig; bevat enkele dun skalielagies; kalsiet- en piriethoudend.	3	2	318	4	**Coal,** bright, banded, fusainous; contains occasional thin shale bands; calcitic and pyritic.
Skalie, swart		5	—		Shale, black.
Glanskool, gelaag, onderste helfte is korrelrig.		10	—		**Coal,** bright, banded, bottom half is granular.
Skalie, koolstofhoudend, en steenkool.		7	320	7	Shale, carbonaceous, and coal.
Skalie, vaal en swart	3	8	324	3	Shale, grey and black.
Skalie, koolstofhoudend, met steenkoolstrepies.	1	1	—		Shale, carbonaceous, with coal stringers.
Glanskool, gelaag		11	—		**Coal,** bright, banded.
Skalie, met 'n glyvlak en 'n paar steenkoollagies.	3	3	—		Shale, with a slip plane and a few coal bands.
Glanskool, gelaag, met vitrietlagies (29 dm. kernverlies tussen 324 vt. 3 dm. en 334 vt. 0 dm.).	2	1	334	0	**Coal,** bright, banded, with vitrain bands (29 in. core-loss between 324 ft. 3 in. and 334 ft. 0 in.).
Skalie, vaal, en koolstofhoudende skalie, met baie glanskoollagies.	5	1	339	1	Shale, grey, and carbonaceous shale, with many bright coal bands.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Glanskool, gelaag, met 'n paar dun skalielagies; fusietagtig, piriet- en sideriethoudend, met 'n paar breë vitrietlagies.	2 8	341 9	Coal, bright, banded, with a few thin shale bands; fusainous, pyritic and sideritic, with a few broad vitrain bands.
Skalie en steenkool	1 4	—	Shale and coal.
Glanskool, gelaag, vitrietagtig ...	5	—	Coal, bright, banded, vitrainous.
Skalie, koolstofhoudend, met glanskoolstrepies.	9	344 3	Shale, carbonaceous, with bright coal stringers.
Glanskool, dungelaag, met 'n paar dun skalielagies en 'n 4-dm. koolstofhoudende skalielaag 19 dm. van bo af.	2 10	—	Coal, bright, thinly banded, with a few thin shale bands and a 4-in. carbonaceous shale band 19 in. from top.
Skalie, koolstofhoudend	1½	—	Shale, carbonaceous.
Glanskool, dungelaag, meer glansend na bo; baie skalielae by onderent en sideriethoudend in middelste 12 dm.	2 5½	349 8	Coal, bright, thinly banded, brighter towards top; many shale bands at bottom and sideritic in middle 12 in.
Skalie, swart, en koolstofhoudende skalie, met enkele steenkoolstrepies.	4 8	354 4	Shale, black, and carbonaceous shale, with occasional coal stringers.
Skalie, swart, en steenkool; hoofsaaklik skalie.	3 7	—	Shale, black, and coal; mainly shale.
Glanskool, dungelaag met enkele breë vitrietlagies; effens piriethoudend.	2 11	—	Coal, bright, thinly banded, with occasional broad vittrain bands; slightly pyritic.
Skalielae en glanskoollae om die beurt; plek-plek vietrietagtig.	2 11	—	Shale bands and bright coal bands, alternating; vitrainous in places.
Skalie, koolstofhoudend, met glanskoolstrepies (kern erg gebreek en 15 dm. kernverlies tussen hierdie laag en 354 vt. 4 dm.).	3 8	367 5	Shale, carbonaceous, with bright coal stringers (core badly broken and 15 in. core-loss between this band and 354 ft. 4 in.).
Glanskool, gelaag, met baie dun skalielagies; piriet- en kalsiethoudend.	2 0	369 5	Coal, bright, banded, with many thin shale bands; pyritic and calcitic.
Skalie, koolstofhoudend, met glanskoolstrepies; boonste 20 dm. sideriethoudend.	2 4	371 9	Shale, carbonaceous, with bright coal stringers; top 20 in. sideritic.
Skalie, vaal, kleiagtig; onderste deel swart.	5 0	—	Shale, grey, clayey; bottom portion black.
Skalie, koolstofhoudend, en steenkool.	3 10	—	Shale, carbonaceous, and coal.
Skalie, swart	2 11	—	Shale, black.
Skalielagies en steenkoollagies	2 7	—	Shale bands and coal bands.
Skalie, swart	2 3	—	Shale, black.
Skalielagies en steenkoollagies; sideriethoudend.	1 10	—	Shale bands and coal bands; sideritic.
Skalielae en steenkoollae ...	6 5	396 7	Shale bands and coal bands.
Glanskoollagies en skalielagies om die beurt; piriet- en kalsiethoudend; onderste helfte effens sideriethoudend.	3 10	400 5	Coal, bright bands, and shale bands alternating; pyritic and calcitic; bottom half slightly sideritic.
Skalie en steenkool; hoofsaaklik skalie.	31 10	432 3	Shale and coal; mainly shale.
Glanskool, dungelaag, met enkele dun skalielagies by onder- en bo-ent.	1 11	—	Coal, bright, thinly banded, with a few thin shale bands at top and bottom.
Skalie en steenkool	2 8	—	Shale and coal.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Steenkool, gemeng; hoofsaaklik glanskool.	1 5	—	**Coal,** mixed; mainly bright coal.
Skalielae en glanskoollae om die beurt; glyvlak by bo-ent.	1 11	—	Shale bands and coal bands, alternating; slip plane at top.
Glanskool, dungelaag, met 'n glyvlak by bo-ent; piriethoudend.	1 4	—	**Coal,** bright, thinly banded, with a slip plane at top; pyritic.
Glanskool, erg sideriethoudend	1 3	442 9	**Coal,** bright, very sideritic.
Skalie, vaal, kleiagtig	1 6	—	Shale, grey, clayey.
Skalie, swart, met ses 2-dm. tot 6-dm. steenkoollagies.	11 0	—	Shale, black, with six 2-in. to 6-in. coal bands.
Glanskool, gelaag, met 2-dm. vitrietlagies in middel en in onderste helfte; erg sideriethoudend; plek-plek fusietagtig.	1 0	—	**Coal,** bright, banded, with 2-in. vitrain bands in middle and in bottom half; very sideritic; fusainous in parts.
Skalielae en steenkoollae om die beurt.	3 7	459 10	Shale bands and coal bands, alternating.
Glanskool, dungelaag, met 'n ½-dm. moddersteenlagie 12 dm. van bo af; sideriet- en piriethoudend.	1 11	461 9	**Coal,** bright, thinly banded, with a ½-mudstone band 12 in. from top; sideritic and pyritic.
Skalie, swart	2 7	—	Shale, black.
Skalielae en steenkoollae om die beurt; hoofsaaklik skalie.	1 10	—	Shale bands and coal bands, alternating; mainly shale.
Skalie en steenkool; hoofsaaklik skalie.	6 10	—	Shale and coal; mainly shale.
Skalie en sideriethoudende steenkool, gemeng.	3 5	—	Shale and sideritic coal, mixed.
Skalie, koolstofhoudend, met vier 2-dm. tot 4-dm. steenkoollagies.	4 11	—	Shale, carbonaceous, with four 2-in. to 4-in. coal bands.
Glanskool, gelaag, kalsiethoudend.	10	—	**Coal,** bright, banded, calcitic.
Skalie; koolstofhoudende en swart skalie, met 22 1-dm. tot 6-dm. steenkoollagies.	26 1	508 3	Shale; carbonaceous and black shale, with 22 1-in. to 6-in. coal bands.
Skalie, koolstofhoudend, met enkele glanskoolstrepies.	2 0	—	Shale carbonaceous, with occasional bright coal stringers.
Skalie steenkoolagtig, en skalieagtige steenkool.	10	—	Shale, coaly, and shaly coal.
Skalie, koolstofhoudend, met 'n bietjie skalieagtige steenkool in middel en enkele glanskoollagies.	4 11	—	Shale, carbonaceous, with a little shaly coal in middle and a few thin bright coal bands.
Skalie, koolstofhoudend, en steenkoolagtige skalie, met 'n bietjie glanskool.	6 10	—	Shale, carbonaceous, and coal shale, with a little bright coal.
Skalie, koolstofhoudend, matkool en steenkoolagtige skalie; alles deurmekaar weens gebreekte kern.	3 2	—	Shale, carbonaceous, dull coal and coaly shale; all mixed owing to broken core.
Glanskool, gelaag, met 'n bietjie matkool en skalieagtige steenkool; 1½-dm. skalie 7 dm. van bo af en 3 dm. skalie 11 dm. van bo af.	1 7	—	**Coal,** bright, banded, with a little dull coal and shaly coal; 1½ in. shale 7 in. from top and 3 in. shale 11 in. from top.
Matkool, swaar, skalieagtig ...	1 3	—	**Coal,** dull, heavy, shaly.
Skalie, swart (35 dm. kernverlies tussen 508 vt. 3 dm. en 532 vt. 6 dm.).	9	532 6	Shale, black (35 in. core-loss between 508 ft. 3 in. and 532 ft. 6 in.).

Bg. 85 (*Verv.*) B.H. 85 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Skalie, koolstofhoudend, met 'n bietjie steenkoolagtige skalie.	9 0	—	Shale, carbonaceous, with a little coaly shale.
Skalie, koolstofhoudend, met 5 dm. matkool by onderent.	2 11	—	Shale, carbonaceous, with 5 in. dull coal at bottom.
Glanskool, gelaag, piriethoudend, met 'n glyvlak by boent.	7	—	**Coal**, bright, banded, pyritic, with a slip plane at top.
Skalie, koolstofhoudend	3 2	—	Shale, carbonaceous.
Skalie, koolstofhoudend, en steenkoolagtige skalie, met 'n bietjie swaar matkool.	6 3	—	Shale, carbonaceous, and coaly shale, with a little heavy dull coal.
Skalie, koolstofhoudend, en gelaagde glanskool.	6	—	Shale, carbonaceous, and banded bright coal.
Matkool, swaar, korrelrig ...	10	—	**Coal**, dull, heavy, granular.
Skalie, koolstofhoudend, en swart skalie, met 'n bietjie steenkoolagtige skalie in die boonste 18 dm. (44 dm. kernverlies tussen 532 vt. 6 dm. en 566 vt. 10 dm.).	7 5	566 10	Shale, carbonaceous, and black shale, with a little coaly shale in the top 18 in. (44 in. core-loss between 532 ft. 6 in. and 566 ft. 10 in.).
Skalie, kleiagtig, ligbruin ...	7 0	—	Shale, clayey, light-brown.
Skalie, swart, met 'n bietjie steenkool.	1 11½	575 9½	Shale, black, with a little coal.
Matkool, piriethoudend na bo en kalsiethoudend in middel.	2 1½	577 11	**Coal**, dull, pyritic towards top and calcitic in middle.
Skalie, koolstofhoudend	6	578 5	Shale, carbonaceous.
Steenkool; hoofsaaklik matkool.	2 2	—	**Coal**; mainly dull coal.
Matkool, met 'n paar glanskoolstrepies by onderent; ½ dm. moddersteen 5 dm. van onder af.	2 6	—	**Coal**, dull, with a few bright coal stringers at bottom; ½ in. mudstone 5 in. from bottom.
Skalie, steenkoolagtig	4	—	Shale, coaly.
Steenkool; hoofsaaklik matkool.	10	—	**Coal**; mainly dull coal.
Matkool, met 'n glans; effens piriethoudend (onderste helfte van kern is erg gebreek).	5 3	—	**Coal**, dull, with a lustre; slightly pyritic (bottom half of core is badly broken).
Steenkool; hoofsaaklik matkool; onderste 11 dm. dowwer; 'n ½-dm. pirietlagie 18 dm. van bo af.	2 8	—	**Coal**; mainly dull coal; bottom 11 in. duller; a ½-in. pyritic band 18 in. from top.
Glanskool, gelaag, met baie min matkool; piriethoudend.	3 0	595 2	**Coal**, bright, banded, with very little dull coal; pyritic.
Sandsteen, baie fynkorrelrig, swart en effens bruin, mikadraend, gelaag.	8 3	—	Sandstone, very fine-grained, black and slightly brownish, micaceous, laminated.
Sandsteenlagies, middelkorrelrig, swart, en swart skalielagies, om die beurt.	3 5	606 10	Sandstone bands, medium-grained, black, and black shale bands, alternating.
Steenkool, gemeng, meer glansend na onder met 'n ½-dm. skalielagie in middel.	1 0	—	**Coal**, mixed, brighter towards bottom, with a ½-in. shale band in middle.
Sandsteen, koolstofhoudend ...	1	—	Sandstone, carbonaceous.
Matkool, met enkele glanskoolstrepies; ½ dm. koolstofhoudende skalie 6 dm. van onder af; kalsiethoudend (kern plek-plek gebreek).	5 2	—	**Coal**, dull, with occasional bright coal stringers; ½ in. carbonaceous shale 6 in. from bottom; calcitic (core broken in places).
Matkool en gemengde steenkoollae om die beurt; breë vitrietlagies in onderste 10 dm., en 1 dm. moddersteen 15 dm. van bo af; piriethoudend.	2 8	—	**Coal**, dull, and mixed coal bands, alternating; broad vitrain bands in bottom 10 in., and 1 in. mudstone 15 in. from top; pyritic.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Matkool, met 'n paar glanskoolstrepies.	3 5	619 2	**Coal,** dull, with a few bright coal stringers.
Sandsteen, baie fynkorrelrig; plek-plek gelaag en mikadraend, donkervaal en swart.	23 10	—	Sandstone, very fine-grained, laminated and micaceous in places, dark-grey and black.
Sandsteen; afwisselende lagies, middel- tot grofkorrelrige vaal sandsteen en swart, effens mikadraende, fynkorrelrige sandsteen; golfvormig gelaag; die swart sandsteen is skalieagtig in onderste 3 vt.	25 7	668 7	Sandstone; alternating bands of medium- to coarse-grained, grey sandstone, and black, slightly micaceous, fine-grained sandstone; laminated in wavy layers; the black sandstone is shaly over bottom 3 ft.
Steenkool; hoofsaaklik matkool; meer glansend in boonste 10 dm.	2 2	—	**Coal;** mainly dull coal; brighter in top 10 in.
Steenkool; hoofsaaklik glanskool.	11	671 8	**Coal;** mainly bright coal.
Sandsteen, baie fynkorrelrig, plek-plek gelaag en mikadraend, donkervaal en swart, met 2 dm. steenkool 11 vt. 8 dm. van onder af.	13 11	685 7	Sandstone, very fine-grained, laminated and micaceous in places, dark-grey and black, with 2 in. coal 11 ft. 8 in. from bottom.

BOORGAT 85 : HOOIKRAAL 721 : BOREHOLE 85

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 519	N.G.	6	303 4	N.S.
C	**Glanskool,** gelaag ...	15	—	**Coal,** bright, banded.
	N.G.	73	—	N.S.
B	**Glanskool,** gelaag, met 'n moddersteenlens.	12	—	**Coal,** bright, banded, with a mudstone lens.
	N.G.	10	—	N.S.
	Glanskool, gelaag, piriethoudend.	14	—	**Coal,** bright, banded, pyritic.
	N.G.	5	—	N.S.
	Glanskool, gelaag, kalsiethoudend.	13	—	**Coal,** bright, banded, calcitic.
	N.G.	5	—	N.S.
A	**Glanskool,** gelaag, fusietagtig; bevat enkele dun skalielagies; kalsiet- en piriethoudend.	38	318 4	**Coal,** bright, banded, fusainous; contains a few thin shale bands; calcitic and pyritic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 520	N.G.	44	324 3	N.S.
	N.G.	13	—	N.S.
C	**Glanskool,** gelaag ...	11	—	**Coal,** bright, banded.
	N.G.	39	—	N.S.
B	**Glanskool,** gelaag, met vitrietlagies (29 dm. kernverlies tussen 324 vt. 3 dm. en 334 vt.).	25	334 0	**Coal,** bright, banded, with vitrain bands (29 in. core-loss between 324 ft. 3 in. and 334 ft.).
	N.G.	61	—	N.S.
A	**Glanskool,** gelaag, met ’n paar dun skalielagies; fusietagtig, piriet- en sideriethoudend, met ’n paar breë vitrietlagies.	32	341 9	**Coal,** bright, banded, with a few thin shale bands; fusainous, pyritic and sideritic, with a few broad vitrain bands.
Q 521	N.G.	9	344 3	N.S.
B	**Glanskool,** dungelaag, met ’n paar dun skalielagies, en ’n 4-dm. koolstofhoudende skalielaag 19 dm. van bo af uitgesluit.	34	—	**Coal,** bright, thinly banded, with a few thin shale bands, and a 4-in. carbonaceous shale band 19 in. from top excluded.
	N.G.	1½	—	N.S.
A	**Glanskool,** dungelaag, meer glansend na bo; baie skalielae by onderent en sideriethoudend in middelste 12 dm.	29½	349 8	**Coal,** bright, thinly banded, bright towards top; many shale bands at bottom and sideritic in middle 12 in.
Q 522	N.G.	44	367 5	N.S.
A	**Glanskool,** gelaag, met baie dun skalielagies; piriet- en kalsiethoudend.	24	369 5	**Coal,** bright, banded, with many thin shale bands; pyritic and calcitic.
Q 523	N.G.	77	396 7	N.S.
A	**Glanskoollagies** en skalielagies om die beurt; piriet- en kalsiethoudend; onderste helfte effens sideriethoudend.	46	400 5	**Coal,** bright bands, and shale bands, alternating; pyritic and calcitic; bottom half slightly sideritic.
Q 524	N.G.	382	432 3	N.S.
C	**Glanskool,** dungelaag, met enkele dun skalielagies by onder- en bo-ent.	23	—	**Coal,** bright, banded, with a few thin shale bands at top and bottom.
	N.G.	32	—	N.S.
B	**Steenkool,** gemeng; hoofsaaklik glanskool.	17	—	**Coal,** mixed; mainly bright coal.
	N.G.	23	—	N.S.
A	**Glanskool,** dungelaag, met ’n glyvlak by bo-ent; piriethoudend.	16	—	**Coal,** bright, thinly banded, with a slip plane at top; pyritic.
D	**Glanskool,** erg sideriethoudend.	15	442 9	**Coal,** bright, very sideritic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 525	N.G.	43	459 10	N.S.
A	**Glanskool,** dungelaag, met 'n ½-dm. moddersteenlagie 12 dm. van bo af; sideriet- en piriethoudend.	23	461 9	**Coal,** bright, thinly banded, with a ½-in. mudstone band 12 in. from top; sideritic and pyritic.
Q 526	N.G.	38	?	N.S.
A	**Glanskool,** gelaag, met 'n bietjie matkool en skalieagtige steenkool; 1½ dm. skalie 7 dm. van bo af en 3 dm. skalie 11 dm. van bo af (van die kern word vermis).	19	—	**Coal,** bright, banded, with a little dull coal and shaly coal; 1½ in. shale 7 in. from top en 3 in. shale 11 in. from top (some of the core is missing).
	N.G.	24	532 6	N.S.
Q 528	N.G.	6	578 5	N.S.
F	**Steenkool;** hoofsaaklik matkool.	26	—	**Coal;** mainly dull coal.
E	**Matkool,** met 'n paar glanskoolstrepies by onderent; ½ dm. moddersteen 5 dm. van onder af.	30	—	**Coal,** dull, with a few bright coal stringers at bottom; ½ in. mudstone 5 in. from bottom.
	N.G.	4	—	N.S.
D	**Steenkool;** hoofsaaklik matkool.	10	—	**Coal;** mainly dull coal.
C	**Matkool,** met 'n glans; effens piriethoudend (onderste helfte van kern is erg gebreek).	63	—	**Coal,** dull, with a lustre; slightly pyritic (bottom half of core is badly broken).
B	**Steenkool;** hoofsaaklik matkool; onderste 11 dm. dowwer; 'n ½-dm. pirietlagie 18 dm. van bo af.	32	—	**Coal;** mainly dull coal; bottom 11 in. duller; a ½-in. pyrite band 18 in. from top.
A	**Glanskool,** gelaag, met baie min matkool; piriethoudend.	36	595 2	**Coal,** bright, banded, with very little dull coal; pyritic.
Q 529	N.G.	41	606 10	N.S.
F	**Steenkool,** gemeng, meer glansend na onder, met 'n ½-dm. skalielagie in middel.	12	—	**Coal,** mixed, brighter towards bottom, with a ½-in. shale band in middle.
	N.G.	1	—	N.S.
E	**Matkool,** met enkele glanskoolstrepies; ½ dm. koolstofhoudende skalie 16 dm. van onder af; kalsiethoudend (kern plek-plek gebreek).	62	—	**Coal,** dull, with occasional bright coal stringers; ½ in. carbonaceous shale 16 in. from bottom; calcitic (core broken in places).

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
D	Matkool en gemengde steenkoollae om die beurt; breë vitrietlagies in onderste 10 dm. en 1 dm. moddersteen 15 dm. van bo af uitgesluit; piriethoudend.	32	—	Coal, dull, and mixed coal bands, alternating; broad vitrain bands in bottom 10 in. and 1 in. mudstone 15 in. from top excluded; pyritic.
C	Matkool, met 'n paar glanskoolstrepies.	41	619 2	Coal, dull, with a few bright coal stringers.
	N.G.	593	668 7	N.S.
B	Steenkool; hoofsaaklik matkool; meer glansend in boonste 10 dm.	26	—	Coal; mainly dull coal; brighter in top 10 in.
A	Steenkool; hoofsaaklik glansend.	11	671 8	Coal; mainly bright coal.

BOORGAT 85 : HOOIKRAAL 721 : BOREHOLE 85

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 519 B_1	—	−1	1·45	64·0	—	3·2	16·2	32·7	47·9	3½	—	—	—	—	—	—
B_2	—	−1	1·45	36·0	—	2·4	33·1	27·3	37·2	—	—	—	—	—	—	—
B	39	—	—	—	—	2·9	22·3	30·8	44·0	—	57·0	10·2	83·9	16·4	3	2½
A_1	—	−1	1·45	75·0	—	3·4	15·6	33·3	47·7	3½	—	—	—	—	—	—
A_2	—	−1	1·45	25·0	—	2·4	34·4	27·9	35·3	—	—	—	—	—	—	—
A	38	—	—	—	—	3·2	20·3	32·0	44·5	—	63·5	9·9	88·8	15·9	3	2½
Q 520 C	11	—	—	—	—	2·5	27·6	30·7	39·2	—	—	—	—	—	—	—
B_1	—	−1	1·45	52·1	—	3·2	14·5	32·9	49·4	3½	—	—	—	—	—	—
B_2	—	−1	1·45	47·9	—	2·2	35·5	27·2	35·1	—	—	—	—	—	—	—
B	25	—	—	—	—	2·7	24·6	30·2	42·5	—	53·1	7·5	71·7	13·1	3½	3
A_1	—	−1	1·45	42·0	—	3·2	14·9	32·8	49·1	2½	—	—	—	—	—	—
A_2	—	−1	1·45	58·0	—	2·6	32·7	27·3	37·4	—	—	—	—	—	—	—
A	32	—	—	—	—	2·9	25·2	29·6	42·3	—	47·5	8·0	70·3	15·7	3½	2
Q 521 B_1	—	−1	1·45	82·6	—	3·0	14·2	33·7	49·1	3½	—	—	—	—	—	—
B_2	—	−1	1·45	17·4	—	2·1	36·1	27·2	34·6	—	—	—	—	—	—	—
B	30	—	—	—	—	2·8	17·9	32·6	46·7	—	—	—	—	—	—	—
A_1	—	−1	1·45	67·7	—	2·9	14·5	34·3	48·3	3½	—	—	—	—	—	—
A_2	—	−1	1·45	32·3	—	2·2	32·5	31·3	34·0	—	—	—	—	—	—	—
A	29½	—	—	—	—	2·7	20·3	33·3	43·7	—	—	—	—	—	—	—
B+A	—	—	—	—	—	—	—	—	—	—	67·2	8·4	82·6	12·3	3½	2½
Q 522 A	24	—	—	—	—	2·3	28·2	30·0	39·5	2	39·5	9·2	—	—	4	—
Q 523 A	46	—	—	—	—	2·4	31·4	27·3	38·9	1	39·7	6·9	—	—	4	—
Q 524 C	23	—	—	—	—	2·2	27·7	29·4	40·7	—	40·3	7·3	64·1	15·8	3	2½
B	17	—	—	—	—	2·1	24·4	29·2	44·3	—	48·4	6·9	66·8	12·7	3½	2½

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 524 A_1	—	−1	1·45	55·6	—	2·3	17·8	35·3	44·6	4	—	—	—	—	—	—
A_2	—	−1	1·45	44·4	—	2·0	32·3	28·3	37·4	—	—	—	—	—	—	—
A	16	—	—	—	—	2·2	24·2	32·2	41·4	—	50·7	11·0	81·5	18·6	3½	3
D	15	—	—	—	—	2·3	28·4	35·0	34·3	2½	46·5	6·5	56·2	8·9	3	2½
Q 525 A_1	—	−1	1·45	44·7	—	2·7	13·1	33·0	51·2	3½	—	—	—	—	—	—
A_2	—	−1	1·45	55·3	—	1·9	40·3	25·6	32·2	—	—	—	—	—	—	—
A	23	—	—	—	—	2·3	28·1	28·9	40·7	—	50·7	8·2	64·6	12·7	4	2
Q 526 A_1	—	−1	1·45	43·8	—	2·7	12·2	34·7	50·4	2½	—	—	—	—	—	—
A_2	—	−1	1·45	56·2	—	1·9	36·5	24·5	37·1	—	—	—	—	—	—	—
A	16	—	—	—	—	2·3	25·8	29·0	42·9	—	41·5	7·4	53·5	10·3	2	1½Ag
Q 527 A	25½	—	—	—	—	1·9	28·9	20·5	48·7	F	26·9	4·5	45·6	9·0	F	F
Q 528 F_1	—	−1	1·58	65·3	11·6	2·8	16·5	20·1	60·6	P	—	—	—	—	—	—
F_2	—	−1	1·58	34·7	—	2·0	36·5	18·9	42·6	—	—	—	—	—	—	—
F	26	—	—	—	—	—	23·5	—	—	—	—	—	—	—	—	—
E_1	—	−1	1·58	69·1	11·8	2·9	15·0	19·0	63·1	F	—	—	—	—	—	—
E_2	—	−1	1·58	30·9	—	1·9	42·5	17·6	38·0	—	—	—	—	—	—	—
E	30	—	—	—	—	—	23·5	—	—	—	—	—	—	—	—	—
D_1	—	−1	1·58	60·9	11·6	2·7	16·8	20·8	59·7	P	—	—	—	—	—	—
D_2	—	−1	1·58	39·1	—	2·1	35·9	17·8	44·2	—	—	—	—	—	—	—
D	10	—	—	—	—	—	24·3	—	—	—	—	—	—	—	—	—
C_1	—	−1	1·58	79·7	11·6	2·7	16·4	19·1	61·8	F	—	—	—	—	—	—
C_2	—	−1	1·58	20·3	—	2·1	36·1	19·3	42·5	—	—	—	—	—	—	—
C	63	—	—	—	—	—	20·3	—	—	—	—	—	—	—	—	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45 Op-brengs Yield %	Dryfsel, 1·45 Float, 1·45 As Ash %	Dryfsel, 1·58 Float, 1·58 Op-brengs Yield %	Dryfsel, 1·58 Float, 1·58 As Ash %	Sw.-syfer Swelling number Dryfsel Float 1·45	Sw.-syfer Swelling number Dryfsel Float 1·58
C+D+E +F	—	—	—	—	—	—	—	—	—	—	21·9	8·1	68·7	13·5	F	—
B_1	—	−1	1·45	36·2	12·9	3·2	9·5	24·5	62·8	F	—	—	—	—	—	—
B_2	—	−1	1·45 —1·58	40·3	11·1	2·6	20·5	18·4	58·5	—	—	—	—	—	—	—
B_1B_2	—	−1	1·58	76·5	12·0	2·9	15·3	21·3	60·5	—	—	—	—	—	—	—
B_3	—	−1	1·58	23·5	—	2·0	34·6	18·3	45·1	—	—	—	—	—	—	—
B	31½	—	—	—	—	—	19·9	—	—	—	36·7	7·2	71·8	12·7	F	—
A_1	—	−1	1·325	28·6	13·6	3·2	5·7	31·1	60·0	2½	—	—	—	—	—	—
A_2	—	−1	1·325 1·45	31·7	12·4	3·1	9·4	26·3	61·2	F	—	—	—	—	—	—
A_1A_2	—	−1	1·45	60·3	13·0	3·1	7·6	28·6	60·7	—	—	—	—	—	—	—
A_3	—	−1	1·58	39·7	—	2·0	32·3	22·8	42·9	—	—	—	—	—	—	—
A	36	—	—	—	—	—	17·3	—	—	—	60·9	6·3	79·9	9·5	1Ag	1½
Q 529 F_1	—	−1	1·45	65·9	13·2	2·7	8·5	29·5	59·3	1	—	—	—	—	—	—
F_2	—	−1	1·45	34·1	—	1·6	43·1	18·8	36·5	—	—	—	—	—	—	—
F	12	—	—	—	—	2·3	20·3	25·9	51·5	—	62·1	5·4	76·3	7·6	1½	1½
E_1	—	−1	1·58	71·3	11·7	3·0	16·6	22·6	57·8	P	—	—	—	—	—	—
E_2	—	−1	1·58	28·7	—	1·9	41·2	16·6	40·3	—	—	—	—	—	—	—
E	62	—	—	—	—	1·0	23·7	20·9	54·4	—	—	—	—	—	—	—
D_1	—	−1	1·58	76·4	12·3	2·9	13·1	26·1	57·9	P	—	—	—	—	—	—
D_2	—	−1	1·58	23·6	—	1·7	40·7	18·3	39·3	—	—	—	—	—	—	—
D	31	—	—	—	—	2·6	19·7	24·2	53·5	—	—	—	—	—	—	—
C_1	—	−1	1·58	76·7	11·9	2·5	16·2	22·0	59·3	F	—	—	—	—	—	—
C_2	—	−1	1·58	23·3	—	1·9	36·3	17·3	44·5	—	—	—	—	—	—	—
C	41	—	—	—	—	2·4	20·8	20·9	55·9	—	—	—	—	—	—	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
C+D+E	—	—	—	—	—	—	—	—	—	—	31·7	7·9	73·2	13·9	1Ag	F
B_1	—	−1	1·45	82·1	13·1	2·9	8·7	22·8	65·6	F	—	—	—	—	—	—
B_2	—	−1	1·45	17·9	—	2·0	33·1	18·2	46·7	—	—	—	—	—	—	—
B	26	—	—	—	—	2·7	13·1	22·0	62·2	—	72·8	6·3	90·7	8·6	F	F
A_1	—	−1	1·45	86·1	13·7	2·5	7·2	32·9	57·4	2	—	—	—	—	—	—
A_2	—	−1	1·45	13·9	—	1·7	35·7	27·4	35·2	—	—	—	—	—	—	—
A	11	—	—	—	—	2·4	11·2	32·1	54·3	—	84·6	5·9	91·2	7·4	2	2

BOORGAT 86 : ZAAGPUT 718 : BOREHOLE 86

Kern 3½ dm. | Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sand en lateriet	45	0	—		Sand and laterite.
Moddersteen, vaal	158	6	203	6	Mudstone, grey.
Skalie, koolstofhoudend, erg piriethoudend.		5	203	11	Shale, carbonaceous, very pyritic.
Glanskool, dungelaag, erg kalsiet- en piriethoudend, met 'n glyvlak by bo-ent.	1	8	—		**Coal,** bright, thinly banded, very calcitic and pyritic, with a slip plane at top.
Skalie, kleiagtig, vaal	5	9	—		Shale, clayey, grey.
Glanskool, kalsiethoudend ...	1	6	—		**Coal,** bright, calcitic.
Skalie, swart		6	—		Shale, black.
Glanskool, gelaag, kalsiethoudend.		11	—		**Coal,** bright, banded, calcitic.
Skalie, kleiagtig, vaal	2	11	—		Shale, clayey, grey.
Glanskool, gelaag, kalsiethoudend.	1	1	—		**Coal,** bright, banded, calcitic.
Skalie, vaal en swart, met vier 3-dm. tot 8-dm. steenkoollagies.	4	6	—		Shale, grey and black, with four 3-in. to 8-in. coal bands.
Glanskool, met baie breë vitrietlagies en 3 dm. kleiagtige skalie 24 dm. van bo af, 3 dm. kleiagtige skalie 37 dm. van bo af en 4 dm. kleiagtige skalie 20 dm. van onder af; onderste 12 dm. bevat 'n 1½-dm. en 'n 2 dm. skalieagtige lagie (4 dm. kernverlies).	6	5	229	6	**Coal,** bright, with many broad vitrain bands and 3 in. clayey shale 37 in. from top and 4 in. clayey shale 20 in. from bottom; bottom 12 in. contains a 1½-in. and a 2-in. shaly band (4 in. core-loss).
Skalie, vaalswart	3	6	233	0	Shale, greyish black.
Glanskool, met baie dun skalielagies en 2 dm. koolstofhoudende skalie 7 dm. van bo af.	1	9	—		**Coal,** bright, with many thin shale bands and 2 in. carbonaceous shale 7 in. from top.
Skalie, koolstofhoudend, met steenkoollagies.	8	1	—		Shale, carbonaceous, with coal bands.
Glanskool, gelaag	1	3	—		**Coal,** bright, banded.
Skalie	1	1	—		Shale.
Glanskool, gelaag, met baie breë vitrietagtige lagies; skalielagies in boonste 5 dm. en 3 dm. koolstofhoudende skalie met glanskoolstrepies 4 dm. van onder af.	4	4	249	6	**Coal,** bright, banded, with many broad vitrainous bands; shale bands in top 5 in. and 3 in. carbonaceous shale with bright coal stringers 4 in. from bottom.
Skalie, swart, en koolstofhoudende skalie, met 'n dun steenkoollagie.	2	0	251	6	Shale, black, and carbonaceous shale, with a thin coal band.
Glanskool, gelaag, met baie skalielagies en 3 dm. skalie 10 dm. van bo af en 3 dm. skalie 5 dm. van onder af.	5	1	—		**Coal,** bright, banded, with many shale bands and 3 in. shale 10 in. from top and 3 in. shale 5 in. from bottom.
Skalie, koolstofhoudend		3	—		Shale, carbonaceous.
Glanskool, gelaag met kleikorrels (sideriet?) in middel en 'n paar skalielagies.	2	8	—		**Coal,** bright, banded, with clay pellets (siderite?) in middle and a few shale bands.
Skalie, koolstofhoudend, met enkele glanskoollagies.	1	4	—		Shale, carbonaceous, with occasional coal bands.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Glanskool, gelaag, met baie breë vitrietagtige lagies en sideriet-korrels in middelste 12 dm.; 1½ dm. koolstofhoudende skalie 7 dm. van onder af en ½ dm. koolstofhoudende skalie 14 dm. van onder af.	5	7	266	5	**Coal,** bright, banded, with many broad vitrainous bands and siderite pellets in middle 12 in.; 1½ in. carbonaceous shale 7 in. from bottom and ½ in. carbonaceous shale 14 in. from bottom.
Skalie, vaalswart	4	9	271	2	Shale, greyish black.
Glanskool, gelaag, met baie vitrietlagies.	1	6	—		**Coal,** bright, banded, with many vitrain bands.
Skalie	1	8	—		Shale.
Glanskool, gelaag, met baie breë vitrietlagies, ½ dm. koolstofhoudende skalie 3 dm. van bo af en 1½ dm. koolstofhoudende skalie met steenkoolstrepies 11 dm. van bo af; kalsiethoudend; glyvlak by onderent.	1	10	—		**Coal,** bright, banded, with many broad vitrain bands, ½ in. carbonaceous shale 3 in. from top and 1½ in. carbonaceous shale with coal stringers 11 in. from top; calcitic; slip plane at bottom.
Skalie		8	—		Shale.
Glanskool, gelaag, kalsiethoudend, met baie breë vitrietlagies.	1	0	277	10	**Coal,** bright, banded, calcitic, with many broad vitrain bands.
Skalie en steenkool; erg sideriet-, piriet- en kalsiethoudend; 'n 1½-dm. vitrietlagie naby bo-ent.	1	7	—		Shale and coal; very sideritic, pyritic and calcitic; a 1½-in. vitrain band near top.
Skalie, swart, en koolstofhoudende skalie, met vier 1-dm. tot 6-dm. steenkoollagies en steenkoolstrepies.	15	6	294	11	Shale, black, and carbonaceous shale, with four 1-in. to 6-in. coal bands and coal stringers.
Glanskool, gelaag, met baie vitrietlagies; effens sideriethoudend.	1	9	—		**Coal,** bright, banded, with many vitrain bands; slightly sideritic.
Skalie, swart, en koolstofhoudende skalie, met drie 1-dm. tot 5-dm. steenkoollagies.	3	5	300	1	Shale, black, and carbonaceous shale, with three 1-in. to 5-in. coal bands.
Glanskool, gelaag, met enkele skalie- en vitrietlagies; effens sideriethoudend.	1	4	—		**Coal,** bright, banded, with occasional shale and vitrain bands; slightly sideritic.
Skalie, koolstofhoudend		5	—		Shale, carbonaceous.
Glanskool, gelaag, met 'n breë vitrietlagie.		5	—		**Coal,** bright, banded, with a broad vitrain band.
Skalie, koolstofhoudend		10	—		Shale, carbonaceous.
Glanskool, gelaag, en skalie, met enkele vitrietagtige lagies.	3	3	306	4	**Coal,** bright, banded, with occasional vitrainous bands.
Skalie, koolstofhoudend	1	4	—		Shale, carbonaceous.
Skalie en gelaagde glanskool	6	10	—		Shale and banded, bright coal.
Skalie, koolstofhoudend, met twee steenkoollagies en glyvlakke by bo-ent.	1	6	—		Shale, carbonaceous, with two coal bands and slip planes at at top.
Skalie en gelaagde glanskool; sideriethoudend; onderste 12 dm. meer glansend.	2	10	318	10	Shale and banded bright coal; sideritic; bottom 12 in. brighter.
Skalielae en steenkoollae om die beurt; skalie effens oorwegend terwyl steenkool sideriethoudend in onderste 39 dm. is.	12	1	—		Shale bands and coal bands, alternating; shale slightly predominating while coal is sideritic in bottom 39 in.
Glanskool, gelaag, erg sideriethoudend, met baie breë vitrietlagies en 1 dm. skalie by onderent.	1	6	332	5	**Coal,** bright, banded, very sideritic, with many broad vitrain bands and 1 in. shale at bottom.

Bg. 86 (*Verv.*) B.H. 86 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, vaal en vaalswart, en en koolstofhoudende skalie, met twee dun steenkoollagies (3 vt. 6 dm. kernverlies).	6	3	342	2	Shale, grey and greyish black, and carbonaceous shale, with two thin coal bands (3 ft. 6 in. core-loss).
Skalie en steenkool, effens sideriethoudend.	4	8	346	10	Shale and coal, slightly sideritic.
Skalie en steenkool		10	—		Shale and coal.
Glanskool, dungelaag, en onderste helfte erg sideriethoudend (kern erg gebreek).	1	10	—		**Coal,** bright, thinly banded, and bottom half very sideritic (core badly broken).
Skalie, vaalswart (5 vt. 3 dm. kernverlies tussen 346 vt. 10 dm. en 360 vt. 4 dm.).	5	7	360	4	Shale, greyish black 5 ft. 3 in. core-loss between 346 ft. 10 in. and 360 ft. 4 in.).
Skalie, vaal en swart, met ses 1-dm. tot 6-dm. steenkoollagies.	6	6	—		Shale, grey and black, with six 1-in. to 6-in. coal bands.
Skalie, swart, met twee 9-dm. glanskoollagies; erg sideriethoudend.	8	2	—		Shale, black, with two 9-in. bright coal bands; very sideritic.
Skalie, koolstofhoudend, en swart skalie; boonste 4 vt. bevat enkele kwartskorrels; vaalbruin oor onderste 30 dm.	7	10	—		Shale, carbonaceous, and black shale; top 4 ft. concontains occasional quartz grains; greyish brown over bottom 30 in.
Skalie, swart, met sewe steenkoollagies vanaf 2 dm. tot 7 dm. dik; sommige sideriethoudend; glyvlak by bo-ent.	20	1	—		Shale, black, with seven coal bands from 2 in. to 7 in. thick; some sideritic; slip plane at top.
Sandsteen, fynkorrelrig, skalieagtig.		6	—		Sandstone, fine-grained, shaly.
Sandsteen, middel- tot grofkorrelrig, wit.	2	5	—		Sandstone, medium- to coarse-grained, white.
Sandsteen, fynkorrelrig, gelaag, mikadraend en skalieagtig, met onherkenbare fossiele.	1	10	—		Sandstone, fine-grained, laminated, micaceous and shaly, with unidentifiable fossils.
Sandsteen, middel- tot grofkorrelrig, wit.	6	6	—		Sandstone, medium- to coarse-grained, white.
Skalie, koolstofhoudend, met vyf 2-dm. tot 8-dm. sideriethoudende steenkoollagies.	23	5	—		Shale, carbonaceous, with five 2-in. to 8-in. sideritic coal bands.
Skalie, koolstofhoudend, en steenkoolagtige skalie.	1	9	439	4	Shale, carbonaceous, and coaly shale.
Matkool, swaar, en skalieagtige steenkool; ½ dm. moddersteen 22 dm. van bo af; 'n glyvlak kom voor.	2	9	442	1	**Coal,** dull, heavy, and shaly coal; ½ in. mudstone 22 in. from top; a slip plane appears.
Skalie, koolstofhoudend, en steenkoolagtige skalie; gaan oor in skalieagtige steenkool na onder.	5	2	—		Shale, carbonaceous, and coaly shale; changes into shaly coal towards bottom.
Skalie, swart, en koolstofhoudende skalie.	1	5	—		Shale, black, and carbonaceous shale.
Skalie, vaalswart; onderste 4 dm. sanderig.	1	4	—		Shale, greyish black; bottom 4 in. sandy.
Sandsteen, skalieagtig, vaal en swart.		7	—		Sandstone, shaly, grey and black.
Skalie, koolstofhoudend, met steenkoolstrepies.	1	3	—		Shale, carbonaceous, with coal stringers.
Skalie, sideriet, kalsiet en steenkool; gemeng.	1	0	—		Shale, siderite, calcite and coal; mixed.
Skalie, vaalswart, met 'n glyvlak in middel.	3	8	—		Shale, greyish black, with a slip plane in middle.

Aard van lae	Dikte verkry Thickness recovered *Vt. Dm.* *Ft. In.*	Ware diepte True depth *Vt. Dm.* *Ft. In.*	Nature of strata
Sandsteen, fynkorrelrig, vaalswart.	1 7	—	Sandstone, fine-grained, greyish black.
Skalie, swart, sanderig	7	—	Shale, black, sandy.
Sandsteen, fynkorrelrig, swart.	1 9	—	Sandstone, fine-grained, black.
Sandsteen, fynkorrelrig, gelaag, vaal tot vaalswart.	2 1	—	Sandstone, fine-grained, laminated, grey to greyish black.
Sandsteen, middelkorrelrig, grintagtig by onderent; vaal en vaalwit, veldspaties.	1 4	—	Sandstone, medium-grained, gritty at bottom; grey to greyish white, felspathic.
Matkool	4	—	**Coal**, dull.
Skalie, vaalswart; onderste deel is sanderig.	10	—	Shale, greyish black; bottom portion is sandy.
Sandsteen, vaalswart, gelaag, kruisgelaagd by onderent.	3 10	—	Sandstone, greyish black, laminated, cross-bedded at bottom.
Grint, vaalwit, veldspaties ...	1 11	—	Grit, greyish white, felspathic.
Sandsteen, middelkorrelrig, vaal, veldspaties.	4	—	Sandstone, medium-grained, grey, felspathic.
Grint, vaalwit, veldspaties ...	4	471 5	Grit, greyish white, felspathic.
Steenkool; hoofsaaklik skalieagtige matkool; meer glansende deel is sideriethoudend.	2 11	—	**Coal**; mainly shaly, dull coal; brighter portion is sideritic.
Skalie, steenkoolagtig, en skalieagtige steenkool, met enkele vitrietlagies.	4 10	—	Shale, coaly, and shaly coal, with a few vitrain bands.
Skalie, fossieldraend	7	—	Shale, fossiliferous.
Skalie en glanskool	4	—	Shale and bright coal.
Skalie, fossieldraend	3	—	Shale, fossiliferous.
Glanskool	4	—	**Coal**, bright.
Skalie, fossieldraend	8	—	Shale, fossiliferous.
Skalie, ligbruin	3 3	—	Shale, light-brown.
Skalie, swart, en koolstofhoudende skalie, met enkele steenkoollagies in boonste helfte.	13 4	—	Shale, black, and carbonaceous shale, with occasional coal bands in top half.
Skalie, swart, fossieldraend ...	3 1	501 0	Shale, black, fossiliferous.
Sandsteen, fyn- tot middelkorrelrig, koolstofhoudend, golfvormig gelaag.	1 11	—	Sandstone, fine- to medium-grained, carbonaceous, banded in wavy layer fashion.
Skalie, steenkoolagtig	5	—	Shale, coaly.
Skalie, ligbruin	6	—	Shale, light-brown.
Skalielae, steenkoolagtig, en skalieagtige steenkoollae om die beurt, met enkele vitrietlagies.	4 8	—	Shale bands, coaly, and shaly coal bands, alternating, with occasional vitrain bands.
Skalie en steenkool; hoofsaaklik skalie.	2 8	—	Shale and coal; mainly shale.
Skalie, steenkoolagtig, en skalieagtige steenkool, met 1½ dm. koolstofhoudende sandsteen 4 vt. van onder af en 4 dm. mikadraende, skalieagtige en piriethoudende sandsteen 2 vt. van onder af; glyvlakke kom voor 4 vt. en 2 vt. van onder af en veral in onderste 1 vt. 6 dm.	16 1	—	Shale, coaly, and shaly coal, with 1½ in. carbonaceous sandstone 4 ft. from bottom and 4 in. micaceous, shaly and pyritic sandstone 2 ft. from bottom; slip planes appear 4 ft. and 2 ft. from bottom and especially in bottom 1 ft. 6 in.
Skalie, swart, met 'n glyvlak by bo-ent.	1 5	—	Shale, black, with a slip plane at top.
Sandsteen, fynkorrelrig, mikadraend, gelaag, vaalbruin en swart.	2 4	—	Sandstone, fine-grained, micaceous, laminated, greyish brown and black.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sandsteen, fynkorrelrig, gelaag, mikadraend, vaalwit, wit en vaalbruin, piriethoudend.	7	8	—		Sandstone, fine-grained, laminated, micaceous, greyish white, white and greyish brown, pyritic.
Sandsteen, fyn- tot middelkorrelrig, wit, veldspaties en massief.	6	7	—		Sandstone, fine- to medium-grained, white, felspathic and massive.
Sandsteen, grofkorrelrig, met onderste 24 dm. grintagtig, wit, veldspaties en massief.	10	3	—		Sandstone, coarse-grained, with bottom 24 in. gritty, white, felspathic and massive
Sandsteen, middelkorrelrig, wit, veldspaties, massief.	17	8	573	2	Sandstone, medium-grained, white, felspathic, massive.
Matkool, skalieagtig in onderste 3 dm.	2	8	—		**Coal,** dull, shaly in bottom 3 in.
Steenkool; hoofsaaklik matkool.	2	10	—		**Coal;** mainly dull coal.
Steenkool; hoofsaaklik matkool, met boonste 4 dm. skalieagtig, en 'n soortgelyke 3-dm. lagie 8 dm. van onder af; bevat baie piriet- en sideriet-korrels.	2	8	—		**Coal;** mainly dull coal, with top 4 in. shaly, and a similar 3-in. band 8 in. from bottom; contains much pyrite and siderite pellets.
Steenkool, gemeng, met baie pirietknolle.		11	582	3	**Coal,** mixed, with many pyrite nodules.
Sandsteen; dun lagies ligvaal en donkervaal, fynkorrelrige, gelaagde, mikadraende sandsteen, met golfvormige lagies in middel.	5	2	—		Sandstone; thin bands of light-grey and dark-grey, fine-grained, laminated, micaceous sandstone, with wavy layers in middle.
Sandsteen, skalieagtig, gelaag, mikadraend, swart.	3	1	—		Sandstone, shaly, laminated, micaceous, black.
Sandsteen, fyn- tot middelkorrelrig, vaal en swart, piriethoudend.	1	2	591	8	Sandstone, fine- to medium-grained, grey and black, pyritic.
Matkool, swaar	1	0	—		**Coal,** dull, heavy.
Sandsteen, koolstofhoudend ...		7	593	3	Sandstone, carbonaceous.
Steenkool; hoofsaaklik matkool; gaan oor in gemengde steenkool na onder.	2	3	—		**Coal;** mainly dull coal; changes into mixed coal towards bottom.
Steenkool, skalieagtig	1	10	—		**Coal,** shaly.
Steenkool, skalieagtig, verbeter effens na onder; 1½ dm. koolstofhoudende moddersteen 10 dm. van bo af en 'n dun moddersteenlens 18 dm. van onder af.	3	9	—		**Coal,** shaly, improves slightly towards bottom; 1½ in. carbonaceous mudstone 10 in. from top and a thin mudstone lens 18 in. from bottom.
Steenkool, gemeng, piriethoudend met ½ dm. moddersteen 11 dm. van onder af.	2	0	—		**Coal,** mixed, pyritic, with ½ in. mudstone 11 in. from bottom.
Moddersteen		2½	—		Mudstone.
Steenkool, gemeng, dowwer by bo-ent en meer glanskool by onderent; sierietkorrels kom voor in onderste 8 dm.; piriethoudend.	3	8½	607	0	**Coal,** mixed, duller at top and brighter at bottom; siderite pellets appear in bottom 8 in.; pyritic.
Sandsteen, fynkorrelrig, gelaag, donkervaal, mikadraend.	2	8	—		Sandstone, fine-grained, laminated, dark-grey, micaceous.
Sandsteen, fynkorrelrig; afwisselende lagies swart, vaal tot wit en donkervaal sandsteen; effens mikadraend; golfvormig gelaag.	3	5	—		Sandstone, fine-grained; alternating bands of black, grey to white and dark-grey sandstone; slightly micaceous; banded in wavy layer fashion.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Sandsteen, fynkorrelrig, gelaag, swart tot donkervaal, mikadraend.	4 1	—	Sandstone, fine-grained, laminated, black to dark-grey, micaceous.
Sandsteen, skalieagtig, swart, en sanderige swart skalie, met enkele fyn- tot middelkorrelrige sandsteenlagies.	11 1	—	Sandstone, shaly, black, and sandy, black shale, with occasional fine- to medium-grained sandstone bands.
Skalie; afwisselende lagies sanderige, swart skalie en middel- tot fynkorrelrige, koolstofhoudende sandsteen.	2 0	—	Shale; black and sandy bands alternating with medium- to fine-grained, carbonaceous sandstone bands.
Sandsteen, middelkorrelrig, wit, massief en veldspaties.	2 6	632 10	Sandstone, medium-grained white, massive and felspathic.
Steenkool; hoofsaaklik matkool.	4 7	637 5	**Coal**; mainly dull coal.
Skalie, koolstofhoudend, met 'n bietjie steenkoolagtige skalie by bo- en onderent.	1 3	—	Shale, carbonaceous, with a little coaly shale at top and bottom.
Sandsteen, middel- tot fynkorrelrig, vuilvaal tot vaalwit; boonste 10 dm. koolstofhoudend.	5 7	644 3	Sandstone, medium- to coarse-grained, dirty grey to greyish white; top 10 in. carbonaceous.

BOORGAT 86 : ZAAGPUT 718 : BOREHOLE 86

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 530	N.G.	5	203 11	N.S.
D	**Glanskool**, dungelaag, erg kalsiet- en piriethoudend, met 'n glyvlak by bo-ent.	20	—	**Coal**, bright, thinly banded, very calcitic and pyritic, with a slip plane at top.
	N.G.	69	—	N.S.
C	**Glanskool**, kalsiethoudend.	18	—	**Coal**, bright, calcitic.
	N.G.	6	—	N.S.
	Glanskool, gelaag, kalsiethoudend.	11	—	**Coal**, bright, banded, calcitic.
	N.G.	35	—	N.S.
B	**Glanskool**, gelaag, kalsiethoudend.	13	—	**Coal**, bright, banded, calcitic.
	N.G.	54	—	N.S.
A	**Glanskool**, met baie breë vitrietlagies; 3 dm. kleiagtige skalie 24 dm. van bo af, 3 dm. kleiagtige skalie 37 dm. van bo af en 4 dm. kleiagtige skalie 20 dm. van onder af is almal uitgesluit; onderste 12 dm. bevat 'n 1½-dm. en 'n 2-dm. skalieagtige lagie (4 dm. kernverlies).	77	229 6	**Coal**, bright, with many broad vitrain bands; 3 in. clayey shale 24 in. from top, 3 in. clayey shale 37 in. from top and 4 in. clayey shale 20 in. from bottom are all excluded; bottom 12 in. contains a 1½-in. and a 2-in. shaly band (4 in. core-loss).

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 531	N.G.	42	233 0	N.S.
C	**Glanskool,** met baie dun skalielagies en 2 dm. koolstofhoudende skalie 7 dm. van bo af uitgesluit.	21	—	**Coal,** bright, with many thin shale bands and 2 in. carbonaceous shale 7 in. from top excluded.
	N.G.	97	—	N.S.
B	**Glanskool,** gelaag ...	15	—	**Coal,** bright, banded.
	N.G.	13	—	N.S.
A	**Glanskool,** gelaag, met baie breë vitrietagtige lagies; skalielagies in boonste 5 dm. en 3 dm. koolstofhoudende skalie met glanskoolstrepies 4 dm. van onder af.	52	249 6	**Coal,** bright, banded, with many broad vitrainous bands; shale bands in top 5 in. and 3 in. carbonaceous shale with bright coal stringers 4 in. from bottom.
Q 532	N.G.	24	251 6	N.S.
F	**Glanskool,** gelaag, met baie skalielagies ; 3 dm. skalie 10 dm. van bo af en 3 dm. skalie 5 dm. van onder af uitgesluit.	61	—	**Coal,** bright, banded, with many shale bands; 3 in. shale 10 in. from top and 3 in. shale 5 in. from bottom excluded.
	N.G.	3	—	N.S.
B	**Glanskool,** gelaag, met kleikorrels (sideriet?) in middel en 'n paar skalielagies.	32	—	**Coal,** bright, banded, with clay pellets (siderite?) in middle and a few shale bands.
	N.G.	16	—	N.S.
D	**Glanskool,** gelaag, met baie breë vitrietagtige lagies en siderietkorrels in middelste 12 dm.; 1½ dm. koolstofhoudende skalie 7 dm. van onder af is uitgesluit en ½ dm. koolstofhoudende skalie 14 dm. van onder af is ingesluit.	67	—	**Coal,** bright, banded, with many broad vitrainous bands and siderite pellets in middle 12 in.; 1½ in. carbonaceous shale 7 in. from bottom is excluded and ½ in. carbonaceous shale 14 in. from bottom is included.
	N.G.	57	—	N.S.
C	**Glanskool,** gelaag, met baie vitrietlagies.	18	—	**Coal,** bright, banded, with many vitrain bands.
	N.G.	20	—	N.S.
B	**Glanskool,** gelaag, met baie breë vitrietlagies, ½ dm. koolstofhoudende skalie 3 dm. van bo af en 1½ dm. koolstofhoudende skalie met steenkoolstrepies 11 dm. van bo af; kalsiethoudend; glyvlak by onderent.	22	—	**Coal,** bright, banded, with many broad vitrain bands, ½ in. carbonaceous shale 3 in. from top and 1½ in. carbonaceous shale with coal stringers 11 in. from top; calcitic; slip plane at bottom.
	N.G.	8	—	N.S.
A	**Glanskool,** gelaag, kalsiethoudend, met baie breë vitrietlagies.	12	277 10	**Coal,** bright, banded, calcitic, with many broad vitrain bands.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 533	N.G.	186	294 11	N.S.
D	**Glanskool**, gelaag, met baie vitrietlagies; effens sideriethoudend.	21	—	**Coal**, bright, banded, with many vitrain bands; slightly sideritic.
	N.G.	41	—	N.S.
C	**Glanskool**, gelaag, met enkele skalie- en vitrietlagies; effens sideriethoudend.	16	—	**Coal**, bright, banded, with occasional vitrain bands; slightly sideritic.
	N.G.	20	—	N.S.
B	**Glanskool**, gelaag, en skalie, met enkele vitrietagtige lagies.	39	306 4	**Coal**, bright, banded, and shale, with occasional vitrainous bands.
	N.G.	1,533	439 4	N.S.
A	**Matkool**, swaar, en skalieagtige steenkool; ½ dm. moddersteen 22 dm. van bo af; 'n glyvlak kom voor.	33	442 1	**Coal**, dull, heavy, and shaly coal; ½ in. mudstone 22 in. from top; a slip plane appears.
Q 611	N.G.	212	573 2	N.S.
D	**Matkool**, skalieagtig in onderste 3 dm.	32	—	**Coal**, dull, shaly in bottom 3 in.
C	**Steenkool**; hoofsaaklik matkool.	34	—	**Coal**; mainly dull coal.
B	**Steenkool**; hoofsaaklik matkool, met die boonste 4 dm. skalieagtig en 'n soortgelyke 3-dm. lagie 8 dm. van onder af; bevat baie piriet- en siderietkorrels.	32	—	**Coal**; mainly dull coal, with the top 4 in. shaly and a similar 3-in. band 8 in. from bottom; contains many pyrite and siderite pellets.
A	**Steenkool**, gemeng, met baie pirietknolle.	11	582 3	**Coal**, mixed, with many pyrite nodules.
Q 612	N.G.	7	593 3	N.S.
E	**Steenkool**; hoofsaaklik matkool; gaan oor in gemengde steenkool na onder.	27	—	**Coal**; mainly dull coal; changes into mixed coal towards bottom.
	N.G.	22	—	N.S.
D	**Steenkool**, skalieagtig, verbeter effens na onder; 1½ dm. koolstofhoudende moddersteen 10 dm. van bo af en 'n dun moddersteenlens 18 dm. van onder af.	45	—	**Coal**, shaly, improves slightly towards bottom; 1½ in. carbonaceous mudstone 10 in. from top and a thin mudstone lens 18 in. from bottom.
C	**Steenkool**, gemeng, piriethoudend, met ½ dm. moddersteen 11 dm. van onder af.	24	—	**Coal**, mixed, pyritic, with ½ in. mudstone 11 in. from bottom.
	N.G.	2½	—	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
B	**Steenkool,** gemeng, dowwer by bo-ent en meer glansend by onderent ; sideriet-korrels kom voor in onderste 8 dm.; piriethoudend.	44½	607 0	Coal, mixed, duller at top and brighter at bottom; siderite pellets appear in bottom 8 in.; pyritic.
	N.G.	309	632 10	N.S.
A	Steenkool; hoofsaaklik matkool.	55	637 5	Coal; mainly dull coal.

BOORGAT 86 : ZAAGPUT 718 : BOREHOLE 86

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 530 D	20	—	—	—	—	2·0	26·8	33·3	38·0	3	49·7	8·8	65·7	13·0	3½	3
C_1	—	−1	1·45	41·8	—	2·7	18·0	33·4	45·9	3	—	—	—	—	—	—
C_2	—	−1	1·45	58·2	—	—	37·4	—	—	—	—	—	—	—	—	—
C	29	—	—	—	—	—	29·3	—	—	—	46·3	10·0	72·5	17·7	3½	2
B	13	—	—	—	—	2·5	24·2	33·4	40·3	4	53·6	9·7	82·9	17·5	4	3½
A_1	—	−1	1·45	51·5	—	3·0	15·1	33·4	48·5	3½	—	—	—	—	—	—
A_2	—	−1	1·45	48·5	—	—	32·2	—	—	—	—	—	—	—	—	—
A	67	—	—	—	—	—	23·3	—	—	—	53·7	8·7	80·2	16·4	3	2
Q 531 C_1	—	−1	1·45	41·7	—	2·5	19·0	33·2	45·3	4	—	—	—	—	—	—
C_2	—	−1	1·45	58·3	—	—	40·4	—	—	—	—	—	—	—	—	—
C	19	—	—	—	—	—	31·4	—	—	—	38·7	8·3	59·2	15·4	3½	1½
B	15	—	—	—	—	2·2	29·2	28·6	40·0	1½	42·7	9·7	67·7	17·0	2½	2
A_1	—	−1	1·45	59·6	—	2·9	13·8	34·0	49·3	4	—	—	—	—	—	—
A_2	—	−1	1·45	40·4	—	—	38·2	—	—	—	—	—	—	—	—	—
A	52	—	—	—	—	—	23·6	—	—	—	56·8	8·5	75·0	13·2	4	3½
Q 532 F	55	—	—	—	—	1·8	40·4	24·0	33·8	—	29·3	8·3	42·9	14·9	4	2½
E_1	—	−1	1·45	49·1	—	2·5	18·4	31·6	47·5	3	—	—	—	—	—	—
E_2	—	−1	1·45	50·9	—	1·9	39·5	24·1	34·5	—	—	—	—	—	—	—
E	32	—	—	—	—	—	29·2	—	—	—	42·8	7·8	62·3	14·2	3	2½
D_1	—	−1	1·45	61·0	—	2·6	16·9	32·2	48·3	3	—	—	—	—	—	—
D_2	—	−1	1·45	39·0	—	—	38·1	—	—	—	—	—	—	—	—	—
D	65½	—	—	—	—	—	25·2	—	—	—	49·7	8·0	70·9	13·8	3½	2½
C_1	—	−1	1·45	76·2	—	2·5	17·7	32·5	47·3	3	—	—	—	—	—	—
C_2	—	−1	1·45	23·8	—	—	37·7	—	—	—	—	—	—	—	—	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 532 C	18	—	—	—	—	—	22·5	—	—	—	53·9	9·4	78·8	15·1	4	2½
B_1	—	−1	1·45	67·9	—	2·9	16·4	32·8	47·9	2½	—	—	—	—	—	—
B_2	—	−1	1·45	32·1	—	—	50·1	—	—	—	—	—	—	—	—	—
B	22	—	—	—	—	—	27·2	—	—	—	56·8	9·4	74·7	14·3	3	2½
A	12	—	—	—	—	2·8	19·2	30·1	47·9	3½	68·0	8·8	84·9	12·8	3	3
Q 533 D	21	—	—	—	—	2·1	25·5	32·9	39·5	2	55·3	8·3	67·9	13·5	3½	4
C	16	—	—	—	—	2·1	22·9	33·0	42·0	2½	51·8	7·2	71·8	11·8	4½	3
B	39	—	—	—	—	2·0	32·7	26·5	38·8	1	35·1	6·6	52·5	12·2	3	2½
A	33	—	—	—	—	1·9	41·2	19·5	37·4	—	2·8	—	10·5	11·6	—	F
Q 611 D_1	—	−1	1·58	46·9	11·0	2·5	22·6	17·9	57·0	F	—	—	—	—	—	—
D_2	—	−1	1·58	53·1	—	—	34·1	—	—	—	—	—	—	—	—	—
D	32	—	—	—	—	—	28·7	—	—	—	7·9	10·0	44·6	17·1	—	—
C_1	—	−1	1·58	81·0	11·9	2·7	16·7	19·7	60·9	P	—	—	—	—	—	—
C_2	—	−1	1·58	19·0	—	—	37·6	—	—	—	—	—	—	—	—	—
C	34	—	—	—	—	—	20·7	—	—	—	33·7	7·1	71·7	13·0	F	P
B	32	—	—	—	—	2·5	29·8	21·4	46·3	P	31·2	7·2	53·2	11·3	F	P
A_1	—	−1	1·58	75·6	13·1	2·8	9·2	27·5	60·5	1Ag	—	—	—	—	—	—
A_2	—	−1	1·58	24·4	—	—	24·2	—	—	—	—	—	—	—	—	—
A	11	—	—	—	—	—	12·9	—	—	—	72·9	7·5	92·3	10·5	1½	1½
Q 612 E_1	—	−1	1·58	79·4	11·7	2·4	17·9	25·0	54·7	1Ag	—	—	—	—	—	—
E_2	—	−1	1·58	20·6	—	—	39·9	—	—	—	—	—	—	—	—	—
E	27	—	—	—	—	—	22·4	—	—	—	40·0	9·1	72·3	14·8	Ag	F
D	45	—	—	—	—	2·0	35·8	17·7	44·4	P	6·2	—	31·9	15·1	Ag	F
C_1	—	−1	1·58	75·8	12·2	2·5	15·5	26·5	55·5	1½Ag	—	—	—	—	—	—

Bg. 86 (*Verv.*)

B.H. 86 (*Contd.*)

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
C_2	—	−1	1·58	24·2	—	—	46·0	—	—	—	—	—	—	—	—	—
C	24	—	—	—	—	—	22·9	—	—	—	46·9	7·5	68·9	11·6	Ag	1½
B_1	—	−1	1·45	52·6	13·2	2·8	9·2	29·7	58·3	F	—	—	—	—	—	—
B_2	—	−1	1·45 −1·58	26·3	11·4	2·6	19·6	22·3	55·5	F	—	—	—	—	—	—
B_1B_2	—	−1	1·58	78·9	12·6	2·7	12·7	27·2	57·4	—	—	—	—	—	—	—
B_3	—	−1	1·58	21·2	—	—	44·2	—	—	—	—	—	—	—	—	—
B	44½	—	—	—	—	—	19·3	—	—	—	55·4	7·0	74·7	11·0	Ag	1½
A_1	—	−1	1·58	90·4	12·1	2·7	15·2	20·5	61·6	F	—	—	—	—	—	—
A_2	—	−1	1·58	9·6	—	—	42·3	—	—	—	—	—	—	—	—	—
A	55	—	—	—	—	—	17·8	—	—	—	41·9	7·9	82·7	12·9	Ag	F

BOORGAT 87 : HOOIKRAAL 721 : BOREHOLE 87

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Moddersteen, vaal, met 'n paar voet oorliggende sand.	123	6	123	6	Mudstone, grey, with a few feet overlying sand.
Glanskool, gelaag		2	—		**Coal,** bright, banded.
Moddersteen, vaal, met twee dun steenkoollagies.	2	9	—		Mudstone, grey, with two thin coal bands.
Skalie en steenkool (verweer) (kern erg gebreek en verweer tussen 116 vt. en 146 vt. 8 dm.).	3	8	146	8	Shale and coal (weathered) (core badly broken and weathered between 116 ft. and 146 ft. 8 in.).
Moddersteen, vaal, met baie klein steenkoolstukkies en onreëlmatiggevormde moddersteenklontjies; bevat baie plat pirietstukkies en twee 1-dm. steenkoollagies by bo-ent.	3	9	—		Mudstone, grey, with many small coal-pieces and irregularly shaped mudstone pellets; contains many flat pieces of pyrite and two 1-in. coal bands at top.
Skalie kleiagtig, vaal en swart, met twee dun steenkoollagies naby onderent en 'n glyvlak by bo-ent.	5	0	155	5	Shale, clayey, grey and black, with two thin coal bands near bottom and a slip plane at top.
Glanskool, gelaag (kern erg gebreek).		8	—		**Coal,** bright, banded (core badly broken).
Skalie, swart, met 'n glyvlak by onderent.		9	—		Shale, black, with a slip plane at bottom.
Steenkool, skalieagtig, erg sideriethoudend.	1	2	—		**Coal,** shaly, very sideritic.
Skalie, kleiagtig, vaal, met 'n paar glyvlakke by bo-ent en 1 dm. steenkool by onderent.	3	9	—		Shale, clayey, grey, with a few slip planes at top and 1 in. coal at bottom.
Moddersteen, ligbruin	3	7	—		Mudstone, light-brown.
Skalie, swart	1	6	—		Shale, black.
Steenkool, skalieagtig en glanskool.		11	—		**Coal,** shaly, and bright coal.
Skalie, swart, met 'n 3-dm. steenkoollagie by onderent en een by bo-ent.	5	1	172	11	Shale, black, with a 3-in. coal band at bottom and one at top.
Skalie en steenkool, met 'n dun moddersteenlagie 10 dm. van onder af.	2	4	—		Shale and coal, with a thin mudstone band 10 in. from bottom.
Glanskool, gelaag, piriet- en kalsiethoudend oor boonste 4 dm.	1	2	176	5	**Coal,** bright, banded, pyritic and calcitic over top 4 in.
Skalie, swart	1	2	—		Shale, black.
Skalie en steenkool	10	6	—		Shale and coal.
Skalie, met baie min steenkool.	2	3	—		Shale, with very little coal.
Skalie en steenkool; hoofsaaklik skalie.	41	5	231	9	Shale and coal; mainly shale.
Skalie, swart, plek-plek vaal, met vier 1-dm. tot 4-dm. steenkoollagies.	11	0	—		Shale, black, grey in parts, with four 1-in. to 4-in. coal bands.
Skalie en steenkool; hoofsaaklik skalie; steenkoollagies is plek-plek sideriethoudend; 'n glyvlak kom voor 10 vt. van onder af.	52	6	295	3	Shale and coal; mainly shale; coal bands are sideritic in places; a slip plane appears 10 ft. from bottom.
Skalie, koolstofhoudend, en steenkoolagtige skalie.	7	8	—		Shale, carbonaceous, and coaly shale.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Skalie, koolstofhoudend, skalieagtige steenkool en steenkoolagtige skalie, met enkele glanskoollagies en 'n glyvlak 40 dm. van onder af.	14 8	—	Shale, carbonaceous, shaly coal and coaly shale, with occasional bright coal bands and a slip plane 40 in. from bottom.
Skalie, glanskool en sideriet ...	1 7	—	Shale, bright coal and siderite.
Skalie	2 4	—	Shale.
Steenkool, skalieagtig, steenkool en piriet.	1 5	—	**Coal,** bright, shaly coal and pyrite.
Skalie, swart, met 'n bietjie steenkool.	1 6	—	Shale, black, with a little coal.
Skalie, ligbruin	3 9	—	Shale, light-brown.
Skalie, swart, en koolstofhoudende skalie.	4 10	—	Shale, black, and carbonaceous shale.
Steenkool, skalieagtig	9	—	**Coal,** shaly.
Skalie, vaal en swart	1 8	—	Shale, grey and black.
Matkool, skalieagtig	7	—	**Coal,** dull, shaly.
Matkool, gelaag	5	—	**Coal,** dull, banded.
Skalie, swart	1 7	—	Shale, black.
Skalie, kleiagtig, donkerkleurig na onder.	7 0	—	Shale, clayey, light-brown, dark towards bottom.
Skalie, koolstofhoudend	4	—	Shale, carbonaceous.
Skalie, kleiagtig, ligbruin ...	1 10	—	Shale, clayey, light-brown.
Skalie, steenkool en sideriet ...	8	—	Shale, coal and siderite.
Moddersteen, erg sideriethoudend.	1 1	—	Mudstone, very sideritic.
Skalie, koolstofhoudend ...	7	—	Shale, carbonaceous.
Skalie, ligkleurig tot vaalbruin.	2 10	—	Shale, light-coloured to greyish brown.
Moddersteen, ligbruin, met donkerkleurige, ovaal moddersteendeeltjies en fyn ottrelietkristalle.	1 10	—	Mudstone, light-brown, with dark-coloured, oval mudstone portions and fine ottrelite crystals.
Skalie, kleiagtig, ligbruin, vaalbruin in onderste 2 vt.; word effens sanderig na onder en bevat ook ottreliet.	17 3	—	Shale clayey, light-brown, greyish brown in bottom 2 ft.; becomes slightly sandy towards bottom and also contains ottrelite.
Sandsteen, erg fynkorrelrig, vaalwit; onderste deel kleiagtig en piriethoudend.	5 0	—	Sandstone, very fine-grained, greyish white, bottom portion clayey and pyritic.
Sandsteen, grofkorrelrig, wit, veldspaties, massief.	81 6	—	Sandstone, coarse-grained, white, felspathic, massive.
Sandsteen en skalie; afwisselende lagies swart, sanderige skalie en wit tot vaal veldspatiese sandsteen.	1 1	459 0	Sandstone and shale; alternating bands of black, sandy shale and white to grey felspathic sandstone.
Matkool, met baie min glanskool.	2 10	—	**Coal,** dull, with very little bright coal.
Glanskool, gelaag, skalieagtig ...	10	—	**Coal,** bright, banded, shaly.
Steenkool; hoofsaaklik matkool, met 'n 2-dm. skalieagtige lagie 13 dm. van onder af.	3 10	—	**Coal;** mainly dull coal, with a 2-in. shaly band 13 in. from bottom.
Glanskoollae, gelaag, breed, plek-plek skalieagtig en piriethoudend, en breë, skalieagtige matkoollae, om die beurt; twee ¾-dm. moddersteenlagies 16 dm. en 34 dm. van bo af.	6 2	472 8	**Coal** bands, bright, broad, shaly and pyritic in places, alternating with broad, shaly dull coal bands; two ¾-in. mudstone bands 16 in. and 34 in. from top.

Bg. 87 (*Verv.*) B.H. 87 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Sandsteen; afwisselende lagies baie fynkorrelrige, mikadraende, vaal tot vaalwit en donkervaal sandsteen.	14	0	—		Sandstone; alternating bands of very fine-grained, micaceous, grey to greyish white and dark-grey sandstone.
Sandsteen; plek-plek baie skalieagtig, donkervaal, en swart, effens mikadraend.	8	2	—		Sandstone, very shaly in places; dark-grey and black, slightly micaceous.
Sandsteen; afwissellende lagies wit tot vaal, veldspatiese sandsteen en swart sanderige skalie.	14	1	508	11	Sandstone; alternating bands of white to grey, felspathic sandstone and black sandy shale.
Steenkool; afwissellende lagies gemengde skalieagtige steenkool en skalieagtige matkool.	2	5	511	4	**Coal;** alternating bands of mixed shaly coal and shaly dull coal.
Skalie, swart, kalsiethoudend, met dun sandsteenstrepies.		9	—		Shale, black, calcitic, with thin sandstone stringers.
Sandsteen, fynkorrelrig, swart tot vaalswart, gelaag, mikadraend.	1	6	—		Sandstone, fine-grained, black to greyish black, laminated, micaceous.
Sandsteen, fynkorrelrig, effens mikadraend, vaalbruin, gelaag.	2	5	—		Sandstone, fine-grained, slightly micaceous, greyish brown, laminated.
Sandsteen, fynkorrelrig, gelaag, vaal tot donkervaal, mikadraend, en fyn- tot grofkorrelrige, vuilvaal, veldspatiese sandsteen.	11	0	—		Sandstone, fine-grained, laminated, grey to dark-grey, micaceous, and fine- to coarse-grained dirty grey, felspathic sandstone.
Sandsteen, middelkorrelrig tot grintagtig, massief, veldspaties.	9	9	—		Sandstone, medium-grained to gritty, massive, felspathic.
Sandsteen; afwisselende lagies, fyn- tot middelkorrelrige, swart sandsteen en skalieagtige, mikadraende donkervaal tot swart sandsteen; meer skalieagtig na onder.	12	0	548	9	Sandstone; alternating bands of fine- to medium-grained, black sandstone and shaly, micaceous, dark-grey to black, sandstone; more shaly towards bottom.
Skalie, swart, effens sanderig na bo waar baie dun lagies swart, fyn- tot middelkorrelrige sandsteen voorkom.	21	3	570	0	Shale, black, slightly sandy towards top where very thin, black, fine- to medium-grained sandstone bands appear.

BOORGAT 87 : HOOIKRAAL 721 : BOREHOLE 87

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 777	N.G.	60	155 5	N.S.
B	Glanskool, gelaag (kern erg gebreek).	8	—	Coal, bright, banded (core badly broken).
	N.G.	229	—	N.S.
A	Glanskool, gelaag, piriet- en kalsiethoudend oor boonste 4 dm.	14	176 3	Coal, bright, banded, pyritic and calcitic over top 4 in.
Q 779	N.G.	13	459 0	N.S.
E	Matkool, met baie min glanskool.	34	—	Coal, dull, with very little bright coal.
D	Glanskool, gelaag, skalieagtig.	10	—	Coal, bright, banded, shaly.
C	Steenkool; hoofsaaklik matkool, met 'n 2-dm. skalieagtige lagie 13 dm. van onder af.	46	—	Coal; mainly dull coal, with a 2-in. shaly band 13 in. from bottom.
B	Glanskoollae; gelaag, breed, skalieagtig en piriethoudend, en breë skalieagtige matkoollae, om die beurt; twee ¾-dm. moddersteenlagies 16 dm. en 34 dm. van bo af.	74	—	Coal bands, bright, banded, broad, shaly and pyritic in places, alternating with broad, shaly, dull coal bands; two ¾-in. mudstone bands 16 in. and 34 in. from top.
	N.G.	435	508 11	N.S.
A	Steenkool; afwisselende lagies gemengde skalieagtige steenkool en skalieagtige matkool.	29	511 4	Coal; alternating bands of mixed, shaly coal and shaly dull coal.

BOORGAT 87 : HOOIKRAAL 721 : BOREHOLE 87

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H$_2$O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 777 B	8	—	—	—	—	2·8	16·7	34·5	46·0	3½	73·1	8·4	88·9	11·9	3½	3
A_1	—	–1	1·45	55·9	—	3·1	14·1	34·8	48·0	3½	—	—	—	—	—	—
A_2	—	–1	1·45	44·1	—	—	30·5	—	—	—	—	—	—	—	—	—
A	14	—	—	—	—	—	21·3	—	—	—	59·7	8·2	76·7	12·3	2½	2½
Q 779 E_1	—	–1	1·58	76·2	11·9	3·2	15·0	22·0	59·8	F	—	—	—	—	—	—
E_2	—	–1	1·58	23·8	—	—	41·8	—	—	—	—	—	—	—	—	—
E	34	—	—	—	—	—	21·4	—	—	—	39·2	5·7	69·4	11·4	F	F
D_1	—	–1	1·58	84·9	13·4	3·5	8·5	31·3	56·7	1½Ag	—	—	—	—	—	—
D_2	—	–1	1·58	15·1	—	—	38·0	—	—	—	—	—	—	—	—	—
D	10	—	—	—	—	—	12·9	—	—	—	78·5	5·0	85·7	6·6	1½Ag	1Ag
C_1	—	–1	1·58	74·4	11·5	2·9	17·5	21·8	57·8	F	—	—	—	—	—	—
C_2	—	–1	1·58	25·6	—	—	38·6	—	—	—	—	—	—	—	—	—
C	46	—	—	—	—	—	22·9	—	—	—	29·9	7·3	67·2	13·7	F	F
B_1	—	–1	1·45	49·1	12·7	3·0	11·2	29·8	56·0	1½Ag	—	—	—	—	—	—
B_2	—	–1	1·45 } —1·58 }	20·5	10·9	2·6	21·3	22·1	54·0	—	—	—	—	—	—	—
B_1B_2	—	–1	1·58	69·6	12·2	2·9	14·2	27·5	55·4	—	—	—	—	—	—	—
B_3	—	–1	1·58	30·4	—	—	45·6	—	—	—	—	—	—	—	—	—
B	74	—	—	—	—	—	23·7	—	—	—	44·8	6·7	67·0	11·4	1Ag	1Ag
A_1	—	–1	1·58	79·0	13·2	3·1	7·8	27·6	61·5	1½Ag	—	—	—	—	—	—
A_2	—	–1	1·58	21·0	—	—	54·2	—	—	—	—	—	—	—	—	—
A	29	—	—	—	—	—	17·5	—	—	—	70·1	5·0	79·5	7·1	1Ag	1Ag

BOORGAT 88 : JACKHALSVLEY 719 : BOREHOLE 88

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Moddersteen (?) (stampboor).	97	0	97	0	Mudstone (?) (jumper drill).
Skalie, met enkele dun steenkoollagies.	21	4	118	4	Shale, with a few thin coal bands.
Glanskool, gelaag	2	2	—		**Coal**, bright, banded.
Glanskool, gelaag, met baie siderietkorrels.	1	7	—		**Coal**, bright, banded, with many siderite pellets.
Sideriet, piriet en steenkool		5	—		Siderite, pyrite and coal.
Skalie, met enkele steenkoollagies.	9	4	—		Shale, with occasional coal bands.
Glanskool, dungelaag, plek-plek skalieagtig, met 'n paar pirietknolle in middel.	1	4	133	2	**Coal**, bright, thinly banded, shaly in parts, with a few pyrite nodules in middle.
Skalie, met glanskoollagies	4	9	137	11	Shale, with bright coal bands.
Glanskool, gelaag, effens skalieagtig, met 'n bietjie piriet, kalsiet en sideriet.	1	7	139	6	**Coal**, bright, banded, slightly shaly, with a little pyrite, calcite and siderite.
Skalie, koolstofhoudend	1	1	—		Shale, carbonaceous.
Glanskool, gelaag		9	—		**Coal**, bright, banded.
Skalie, koolstofhoudend, met glanskoollagies.	4	4	—		Shale, carbonaceous, with bright coal bands.
Glanskool, gelaag, erg skalieagtig en sideriethoudend; piriethoudend.	1	11	—		**Coal**, bright, banded, very shaly and sideritic, pyritic.
Skalie en glanskool, fyngelaag.	2	6	—		Shale and bright coal, finely banded.
Skalie en glanskool	6	7	—		Shale and bright coal.
Skalielae en glanskoollae van 3 dm. tot 12 dm., om die beurt; glyvlakke kom voor by onderent.	11	1	—		Shale bands and bright coal bands from 3 in. to 12 in., alternating; slip planes appear at bottom.
Skalie, met enkele steenkoollae.	16	3	—		Shale, with a few coal bands.
Glanskool, skalieagtig, sideriet- en piriethoudend.	2	2	186	2	**Coal**, bright, banded, sideritic and pyritic.
Skalie, swart, en koolstofhoudende skalie, met heelwat 2-dm. tot 8-dm. steenkoollae.	95	4	281	6	Shale, black, and carbonaceous shale, with several 2-in. to 8-in. coal bands.
Steenkool, erg skalieagtig	2	8	—		**Coal**, very shaly.
Sandsteen, fynkorrelrig, gelaag, vaalswart.		10	—		Sandstone, fine-grained, laminated, greyish black.
Steenkool, gemeng, skalieagtig, dowwer na onder.	4	0	289	0	**Coal**, mixed, shaly, duller towards bottom.
Skalie, swart	1	1	—		Shale, black.
Skalie, kleiagtig, fossieldraend, met 'n glyvlak by onderent.	3	1	—		Shale, clayey, fossiliferous, with a slip plane at bottom.
Sandsteen, fynkorrelrig, gelaag, mikadraend, fossieldraend.		5	—		Sandstone, fine-grained, laminated, micaceous, fossiliferous.
Sandsteen, fyn- tot middelkorrelrig, effens gelaag en mikadraend; vaal.	1	3	—		Sandstone, fine- to coarse-grained, slightly laminated and micaceous; grey.
Sandsteen, gelaag, mikadraend, vaal tot bruin, fossieldraend.		8	296	2	Sandstone, laminated, micaceous, grey to brown, fossiliferous.
Skalie, vaal, en koolstofhoudende skalie, met dun steenkoollagies.		11	—		Shale, grey, and carbonaceous shale, with thin coal bands.
Skalie, vaalbruin, met 'n bietjie swart skalie.	8	1	—		Shale, greyish brown, with a little black shale.

Bg. 88 (*Verv.*) B.H. 88 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, vaalswart	1	9	—		Shale, greyish black.
Sandsteen, fynkorrelrig, vaalswart.		6	—		Sandstone, fine-grained, greyish black.
Skalie, swart, en koolstofhoudende skalie, met 'n bietjie steenkoolagtige skalie.	4	10	312	3	Shale, black, and carbonaceous shale, with a little coaly shale.
Skalie, steenkoolagtig	3	3	—		Shale, coaly.
Skalie, koolstofhoudend, vaalbruin in middel.	5	9	—		Shale, carbonaceous, greyish brown in middle.
Skalie, steenkoolagtig		8	—		Shale, coaly.
Skalie, swart, en 'n bietjie ligbruin skalie.	3	0	—		Shale, black, and a little light-brown shale.
Matkool en skalieagtige steenkool.	1	0	—		**Coal**, dull, and shaly coal.
Skalie, steenkoolagtig		11	—		Shale, coaly.
Skalie, swart, met enkele verspreide kwartskorrels.	2	2	—		Shale, black, with some scattered quartz grains.
Skalie, koolstofhoudend, en steenkoolagtige skalie.	2	7	—		Shale, carbonaceous, and coaly shale.
Matkool, skalieagtig by onderent, met 'n 2-dm. siderithoudende lagie 3 dm. van bo af.	1	3	—		**Coal**, dull, shaly at bottom, with a 2-in. sideritic band 3 in. from top.
Skalie, swart, met baie kwartskorrels.	4	2	—		Shale, black, with many quartz grains.
Glanskool		2	—		**Coal**, bright.
Skalie, ligbruin tot swartbruin.	1	6	—		Shale, light-brown to blackish brown.
Skalie, swart	1	1	—		Shale, black.
Skalie, steenkoolagtig, en koolstofhoudende skalie.	2	5	—		Shale, coaly, and carbonaceous shale.
Skalie, vaal		6	342	8	Shale, grey.
Sandsteen, fynkorrelrig, gelaag, mikadraend, ligbruin tot vaalbruin en vaal.	11	2	—		Sandstone, fine-grained, laminated, micaceous, light-brown to greyish brown and grey.
Sandsteen, massief, wit, veldspaties, fyn- tot middelkorrelrig.	7	7	—		Sandstone, massive, white, felspathic, fine- to medium-grained.
Sandsteen, massief, wit, veldspaties, middel- tot grofkorrelrig.	12	10	—		Sandstone, massive, white, felspathic, medium- to coarse-grained.
Sandsteen, oor die algemeen taamlik massief, wit tot vaalwit en vaalbruin, plek-plek effens gelaag en dan mikadraend; fynkorrelrig.	4	9	—		Sandstone, on the whole fairly massive, white to greyish white and greyish brown, slightly laminated in places and then micaceous; fine-grained.
Sandsteen, massief, wit, veldspaties, grofkorrelrig, met 'n ½-dm. glanskoollens 18 dm. van onder af.	6	10	—		Sandstone, massive, white, felspathic, coarse-grained, with a ½-in. bright coal lens 18 in. from bottom.
Sandsteen, massief, wit, veldspaties, fyn- tot middelkorrelrig, met onderste 18 dm. gelaag en mikadraend, en met baie glanskoollense.	7	9	393	7	Sandstone, massive, white, felspathic, fine- to medium-grained, with bottom 18 in. laminated and micaceous, and with many bright coal lenses.
Steenkool, gemeng; hoofsaaklik matkool.		10	—		**Coal**, mixed; mainly dull coal.
Matkool	1	2	—		**Coal**, dull.
Piriet en steenkool		3	—		Pyrite and coal.
Steenkool, gemeng; hoofsaaklik matkool.	1	3	—		**Coal**, mixed; mainly dull coal.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Steenkool; hoofsaaklik matkool, meer glansend na onder.	1	11	399	0	**Coal;** mainly dull coal, brighter towards bottom.
Sandsteen, fynkorrelrig, veldspaties, vuilvaal.	1	5	—		Sandstone, fine-grained, felspathic, dirty grey.
Sandsteen, erg fynkorrelrig, gelaag, vaal en vaalswart, effens mikadraend.	6	9	—		Sandstone, very fine-grained, laminated, grey and greyish black, slightly micaceous.
Sandsteen, vaalswart, golfvormig gelaag.		5	408	7	Sandstone, greyish black, banded with wavy layers.
Steenkool, skalieagtig, en skalie.	3	2	—		**Coal,** shaly, and shale.
Skalie, steenkoolagtig, met vier 1-dm. tot 2-dm. moddersteenlagies, en twee pirietlagies na onder.	3	0	414	9	Shale, coaly, with four 1-in. to 2-in. mudstone bands and two pyrite bands towards bottom.
Matkool, met baie min glanskool.	3	0	—		**Coal,** dull, with very little bright coal.
Moddersteenagtige, harde laag.		3	—		Mudstone-like, hard band.
Steenkool, gemeng; hoofsaaklik matkool, met 2 dm. piriet 11 dm. van onder af en 1 dm. moddersteen 15 dm. van bo af.	3	3	—		**Coal,** mixed; mainly dull coal, with 2 in. pyrite 11 in. from bottom and 1 in. mudstone 15 in. from top.
Steenkool, gemeng, met baie pikagtige lagies en 'n 3-dm. piriet- en sideriethoudende laag 9 dm. van bo af.	2	8	423	11	**Coal,** mixed, with many pitch-like bands and a 3-in. pyritic and sideritic band 9 in. from top.
Sandsteen, erg fynkorrelrig, gelaag, vaal en vaalswart, effens mikadraend.	9	8	—		Sandstone, very fine-grained, laminated, grey and greyish black, slightly micaceous.
Sandsteen, skalieagtig, en sanderige skalie veral na onder; donkervaal tot swart.	7	7	—		Sandstone, shaly, and sandy shale especially towards bottom; dark-grey to black.
Skalielae, sanderig, swart tot vaalswart, en skalieagtige, swart, sandsteenlae en middelkorrelrige vaalswart tot swart sandsteenlae; almal kom voor op golfvormige wyse.	8	4	—		Shale bands, sandy, black to greyish black, shaly black sandstone bands and medium-grained, greyish black to black sandstone bands; all in wavy layer fashion.
Sandsteen, massief, vuilvaal, fyn- tot middelkorrelrig, veldspaties.	3	0	452	6	Sandstone, massive, dirty grey, fine- to medium-grained, felspathic.
Sandsteen, koolstofhoudend ...		2	—		Sandstone, carbonaceous.
Steenkool, skalieagtig, met moddersteenlagies.		9	453	5	**Coal,** shaly, with mudstone bands.
Matkool, met twee pirietlagies, een by onderent en een in middel.	3	7	457	0	**Coal,** dull, with two pyrite bands, one at bottom and one in middle.
Skalie, steenkoolagtig		2	—		Shale, coaly.
Skalie, swart		10	—		Shale, black.
Sandsteen, massief, vuilvaal, effens veldspaties, met 'n 6-dm. gelaagde, mikadraende deel in die middel.	6	0	464	0	Sandstone, massive, dirty grey, slightly felspathic, with a 6-in. laminated, micaceous portion in middle.

BOORGAT 88 : JACKHALSVLEY 719 : BOREHOLE 88

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 768	N.G.	256	118 4	N.S.
C	Glanskool, gelaag ...	26	—	Coal, bright, banded.
B	Glanskool, gelaag, met baie siderietkorrels.	19	—	Coal, bright, banded, with many siderite pellets.
	N.G.	117	—	N.S.
A	Glanskool, dungelaag, plek-plek skalieagtig, met 'n paar pirietknolle in middel.	16	133 2	Coal, bright, thinly banded, shaly in places, with a few pyrite nodules in middle.
Q 769	N.G.	45	137 11	N.S.
A	Glanskool, gelaag, effens skalieagtig, met 'n bietjie piriet, kalsiet en sideriet.	19	139 6	Coal, bright, banded, slightly shaly, with a little pyrite, calcite and siderite.
Q 770	N.G.	93	393 7	N.S.
D	Steenkool, gemeng; hoofsaaklik matkool.	10	—	Coal, mixed; mainly dull coal.
C	Matkool	14	—	Coal, dull.
	N.G.	3	—	N.S.
B	Steenkool, gemeng; hoofsaaklik matkool.	15	—	Coal, mixed; mainly dull coal.
A	Steenkool; hoofsaaklik matkool, meer glansend na onder.	23	399 0	Coal; mainly dull coal, bright towards bottom.
Q 771	N.G.	36	414 9	N.S.
D	Matkool, met baie glanskool.	36	—	Coal, dull, with very little bright coal.
	N.G.	3	—	N.S.
C	Steenkool, gemeng; hoofsaaklik matkool, met 2 dm. piriet 11 dm. van onder af uitgesluit, en 1 dm. moddersteen 15 dm. van bo af.	39	—	Coal, mixed; mainly dull coal, with 2 in. pyrite 11 in. from bottom excluded and 1 in. mudstone 15 in. from top.
B	Steenkool, gemeng, met baie pikagtige lagies en 'n 3-dm. piriet- en sideriethoudende laag 9 dm. van bo af.	32	423 11	Coal, mixed, with many pitch-like bands and a 3-in. pyritic and sideritic band 9 in. from top.
	N.G.	354	453 5	N.S.
A	Matkool, met twee pirietlagies, een by onderent en een in middel.	43	457 0	Coal, dull, with two pyrite bands, one at bottom and one in middle.

BOORGAT 88 : JACKHALSVLEY 719 : BOREHOLE 88

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 768 C_1	—	—1	1·45	82·6	11·8	2·8	17·1	33·6	46·5	3½	—	—	—	—	—	—
C_2	—	—1	1·45	17·4	—	—	29·3	—	—	—	—	—	—	—	—	—
C	26	—	—	—	—	—	19·2	—	—	—	64·2	9·3	89·7	15·5	4	3
B_1	—	—1	1·45	22·8	12·0	3·0	14·6	35·3	47·1	3	—	—	—	—	—	—
B_2	—	—1	1·45	77·2	—	—	37·3	—	—	—	—	—	—	—	—	—
B	19	—	—	—	—	—	32·1	—	—	—	—	—	—	—	—	—
A_1	—	—1	1·45	67·8	11·7	1·9	17·4	34·9	45·8	3½	—	—	—	—	—	—
A_2	—	—1	1·45	32·2	—	—	34·2	—	—	—	—	—	—	—	—	—
A	16	—	—	—	—	—	22·8	—	—	—	58·0	10·9	79·2	15·1	4½	3½
Q 769 A_1	—	—1	1·45	65·2	—	3·1	15·0	33·8	48·1	3½	—	—	—	—	—	—
A_2	—	—1	1·45	34·8	—	—	32·0	—	—	—	—	—	—	—	—	—
A	19	—	—	—	—	—	20·9	—	—	—	59·5	7·6	78·0	12·3	2½	2½
Q 770 D	10	—	—	—	11·0	3·2	21·7	19·3	55·8	P	28·4	8·2	73·9	15·1	F	P
C	14	—	—	—	—	2·6	32·4	15·1	49·9	P	4·1	—	24·5	18·7	—	P
B_1	—	—1	1·58	79·8	11·5	3·2	18·1	19·1	59·6	—	—	—	—	—	—	—
B_2	—	—1	1·58	20·2	—	—	41·0	—	—	—	—	—	—	—	—	—
B	15	—	—	—	—	—	22·7	—	—	—	32·0	8·5	66·4	13·1	1Ag	P
A_1	—	—1	1·45	83·6	12·8	3·2	10·7	27·1	59·0	1½Ag	—	—	—	—	—	—
A_2	—	—1	1·45 } —1·58 }	9·7	—	2·6	23·6	20·7	53·1	P	—	—	—	—	—	—
A_1A_2	—	—1	1·58	93·3	—	3·1	12·0	24·7	60·2	—	—	—	—	—	—	—
A_3	—	—1	1·58	6·7	—	—	37·3	—	—	—	—	—	—	—	—	—
A	23	—	—	—	—	—	13·7	—	—	—	67·7	6·9	91·3	10·8	1Ag	F

Bg. 88 (*Verv.*) B.H. 88 (*Contd.*)

		WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
											Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	Dryfsel Float 1·45	Dryfsel Float 1·58
Q771 D	36	—	—	—	—	2·4	29·1	18·1	50·4	P	16·3	8·2	40·6	14·3	F	P
C_1	—	−1	1·58	73·8	12·0	3·0	15·2	25·0	56·8	F	—	—	—	—	—	—
C_2	—	−1	1·58	26·5	—	—	47·8	—	—	—	—	—	—	—	—	—
C	37	—	—	—	—	—	23·9	—	—	—	42·3	7·2	69·1	12·2	1Ag	F
B_1	—	−1	1·45	77·9	12·9	3·3	9·2	29·8	57·7	1½Ag	—	—	—	—	—	—
B_2	—	−1	1·45 —1·58	13·1	11·1	3·1	20·0	22·3	54·6	—	—	—	—	—	—	—
B_1B_2	—	−1	1·58	91·0	12·6	3·3	10·8	28·7	57·2	—	—	—	—	—	—	—
B_3	—	−1	1·58	9·0	—	—	42·4	—	—	—	—	—	—	—	—	—
B	32	—	—	—	—	—	13·7	—	—	—	67·5	5·9	88·5	8·7	1½Ag	1Ag
A_1	—	−1	1·58	87·5	12·1	3·0	15·0	22·1	59·9	F	—	—	—	—	—	—
A_2	—	−1	1·58	12·5	—	—	44·5	—	—	—	—	—	—	—	—	—
A	43	—	—	—	—	—	18·7	—	—	—	44·8	7·5	81·1	12·5	F	F

BOORGAT 89 : SMITSPAN 717 : BOREHOLE 89

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. Ft.	*Dm. In.*	*Vt. Ft.*	*Dm. In.*	
Sand en lateriet	45	0	—		Sand and laterite.
Moddersteen, vaal	116	0	161	0	Mudstone, grey.
Skalie, koolstofhoudend, met 'n glyvlak by bo-ent.	1	7	162	7	Shale, carbonaceous, with a slip plane at top.
Glanskool, dungelaag, piriet- en kalsiethoudend.		11	—		**Coal,** bright, thinly banded, pyritic and calcitic.
Skalie, vaal tot vaalswart, kleiagtig, met etlike vertikale en skuins splete.	5	5	—		Shale, grey to greyish black, clayey, with several vertical and inclined cleavages.
Glanskool, dungelaag, kalsiethoudend, met 7 dm. swart skalie, 14 dm. van bo af.	2	7	—		**Coal,** bright, thinly banded, calcitic, with 7 in. black shale, 14 in. from top.
Skalie, swart		5	—		Shale, black.
Skalie, vaal, kleiagtig	2	6	—		Shale, grey, clayey.
Skalie, koolstofhoudend		2	—		Shale, carbonaceous.
Glanskool, gelaag, plek-plek skalieagtig; kalsiethoudend.	1	2	—		**Coal,** bright, banded, shaly in places; calcitic.
Skalie, koolstofhoudend, met vier 4-dm. tot 6-dm. steenkoollagies.	4	6	—		Shale, carbonaceous, with four 4-in. to 6-in. coal bands.
Glanskool; hoofsaaklik dungelaag; effens piriet- en kalsiethoudend, met 2 dm. swart skalie 18 dm. van bo af, 6 dm. swart skalie 31 dm. van bo af en 4 dm. swart skalie 51 dm. van bo af.	6	4	186	7	**Coal,** bright; mainly thinly banded; slightly pyritic and calcitic, with 2 in. black shale 18 in. from top, 6 in. black shale 31 in. from top and 4 in. black shale 51 in. from top.
Skalie; boonste helfte vaalswart en onderste helfte swart, met steenkoolstrepies.	3	8	—		Shale; top half greyish black, and bottom half black, with coal stringers.
Skalie, koolstofhoudend, en glanskool; hoofsaaklik skalie.	9	9	200	0	Shale, carbonaceous, and bright coal; mainly shale.
Glanskool, gelaag, skalieagtig na onder.	3	10	—		**Coal,** bright, banded, shaly towards bottom.
Skalie, swart		8	—		Shale, black.
Glanskool, gelaag, skalieagtig, met 10 dm. hoofsaaklik skalie 19 dm. van bo af.	4	0	—		**Coal,** bright, banded, shaly, with 10 in. mainly shale 19 in. from top.
Skalie en steenkool	2	10	—		Shale and coal.
Glanskool, gelaag, skalieagtig ...	2	5	—		**Coal,** bright, banded, shaly.
Glanskool, gelaag	1	6	—		**Coal,** bright, banded.
Glanskool, gelaag, plek-plek skalieagtig; piriethoudend.	1	7	—		**Coal,** bright, banded, shaly in places; pyritic.
Skalie en steenkool	4	1	—		Shale and coal.
Skalie, swart en vaal	3	2	—		Shale, black and grey.
Glanskool, dungelaag, boonste deel skalieagtig.	1	6	—		**Coal,** bright, thinly banded, top portion shaly.
Skalie en steenkool; hoofsaaklik skalie.	4	3	—		Shale and coal; mainly shale.
Glanskool, gelaag, skalieagtig ...	1	7	—		**Coal,** bright, banded, shaly.
Glanskool, gelaag, met sideriet-korrels na onder.	2	0	—		**Coal,** bright, banded, with siderite pellets towards bottom.
Sideriet en steenkool		8	—		Siderite and coal.
Skalie, swart, en koolstofhoudende skalie, met glyvlakke in middel.	9	3	—		Shale, black, and carbonaceous shale, with slip planes in middle.
Glanskool, gelaag, skalieagtig ...		10	—		**Coal,** bright, banded, shaly.

Bg. 89 (*Verv.*) B.H. 89 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, swart, met 2-dm., 3-dm., en 5-dm. steenkoollagies.	5	7	249	9	Shale, black, with 2-in., 3-in. and 5-in. coal bands.
Skalie en gelaagde glanskool ...	1	6	—		Shale and banded bright coal.
Glanskool, gelaag, skalieagtig, effens sideriethoudend in middel, met 'n glyvlak by onderent en 'n helling van ongeveer 5°.	1	8	252	11	**Coal,** bright, banded, shaly, slightly sideritic in middle, with a slip plane at bottom and a dip of about 5°.
Skalie, swart, met 'n 3-dm. en 'n 6-dm. steenkoollagie.	3	2	—		Shale, black, with a 3-in. and a 6-in. coal band.
Skalie en skalieagtige steenkool.	8	1	—		Shale and shaly coal.
Skalie en steenkoolagtige skalie.	8	11	—		Shale and coaly shale.
Skalie en skalieagtige steenkool.	5	8	—		Shale and shaly coal.
Skalie, swart, en koolstofhoudende skalie met elf 4-dm. tot 11-dm. steenkoollagies.	7	4	—		Shale, black, and carbonaceous shale with eleven 4-in. to 11-in. coal bands.
Skalie en steenkool, plek-plek sideriethoudend; hoofsaaklik skalie.	9	2	295	2	Shale and coal, sideritic in places; mainly shale.
Glanskool, gelaag, skalieagtig ...	2	1	—		**Coal,** bright, banded, shaly.
Skalielae en steenkoollae om die beurt.	6	11	304	3	Shale bands and coal bands, alternating.
Glanskool, gelaag, kalsiet- piriet- en sideriethoudend in onderste 10 dm.	3	5	307	8	**Coal,** bright, banded, calcitic, pyritic and sideritic in bottom 10 in.
Skalie, koolstofhoudend, met ongeveer sestien 2-dm. tot 6-dm. steenkoollagies; sommige erg sideriethoudend.	39	8	—		Shale, carbonaceous, with approximately sixteen 2-in. to 6-in. coal bands; some very sideritic.
Glanskool, gelaag, plek-plek skalieagtig en pikagtig.	1	3	348	7	**Coal,** bright, banded, shaly and pitch-like in parts.
Skalie, koolstofhoudend, met agt 1-dm. tot 7-dm. steenkoollagies.	29	0	—		Shale, carbonaceous, with eight 1-in. to 7-in. coal bands.
Matkool, skalieagtig	4	0	381	7	**Coal,** dull, shaly.
Sandsteen, fynkorrelrig, gelaag, koolstofhoudend, fossieldraend.	1	1	—		Sandstone, fine-grained, laminated, carbonaceous, fossiliferous.
Sandsteen, gelaag, skalieagtig, swart, met swart, sanderige skalie.	3	1	—		Sandstone, laminated, shaly black, with black, sandy shale.
Sandsteen, middel- tot fynkorrelrig, vaal tot wit, plek-plek met koolstofhoudende lagies.	7	1	392	0	Sandstone, medium- to fine-grained, grey to white, with carbonaceous bands in places.
Skalie, swart	4	10	—		Shale, black.
Skalie, steenkoolagtig, en koolstofhoudende skalie.	6	6	—		Shale, coaly, and carbonaceous shale.
Skalie, swart, effens sanderig, met 7 dm. glanskool 12 dm. van onder af.	4	5	—		Shale, black, slightly sandy, with 7 in. bright coal 12 in. from bottom.
Sandsteen, fynkorrelrig, gelaag, donkervaal tot lig bruinswart en vaalswart.	5	5	—		Sandstone, fine-grained, laminated, dark-grey to light brownish black and greyish black.
Sandsteen, middel- tot grofkorrelrig, wit tot gryswit, veldspaties.	3	8	417	7	Sandstone, medium- to coarse-grained, white to greyish white, felspathic.
Skalie, steenkoolagtig, en skalieagtige steenkool, met 6 dm. bruin skalie 10 dm. van onder af.	4	0	—		Shale, coaly, and shaly coal with 6 in. brown shale 10 in. from bottom.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Skalie, bruin, fossieldraend ...	1 6	—	Shale, brown, fossiliferous.
Skalie en steenkool	3	—	Shale and coal.
Sandsteen, middelkorrelrig, wit, massief, veldspaties; onderste 5 dm. het 'n helling van 5°.	5 8	—	Sandstone, medium-grained, white, massive, felspathic; bottom 5 in. has a dip of 5°.
Sandsteen, fynkorrelrig, vaal, gelaag, mikadraend, met 'n helling van 5°.	1 3	—	Sandstone, fine-grained, grey, laminated, micaceous, with a dip of 5°.
Sandsteen, skalieagtig, ligbruin, met 'n helling van 5°.	1 5	—	Sandstone, shaly, light-brown, with a dip of 5°.
Skalie, kleiagtig, bruin, onderste 20 dm. swart.	9 2	440 10	Shale, clayey, brown, bottom 20 in. black.
Skalie, steenkoolagtig, met enkele skalieagtige steenkoollae en koolstofhoudende skalielae.	22 8	—	Shale, coaly, with occasional shaly coal bands and carbonaceous shale bands.
Skalie, swart, opgebrokkel as gevolg van baie glyvlakke.	3 6	—	Shale, black, crumbled as a result of numerous slip planes.
Skalie, steenkoolagtig	1 6	—	Shale, coaly.
Skalie, kleiagtig, effens sanderig by onderent; ligbruin, met glyvlakke.	1 4	—	Shale, clayey, slightly sandy at bottom; light-brown, with slip planes.
Sandsteen, fynkorrelrig, lig vaalbruin, mikadraend, met baie glyvlakke in onderste deel.	1 4	—	Sandstone, fine-grained, light greyish brown, micaceous, with many slip planes in bottom portion.
Sandsteen, fynkorrelrig, wit tot vaalwit, plek-plek gelaag veral na bo; in sy geheel massief; veldspaties.	34 0	—	Sandstone, fine-grained, white to greyish white, laminated in places especially towards top; massive on the whole; felspathic.
Sandsteen, grofkorrelrig tot grintagtig, wit, massief, veldspaties.	22 9	—	Sandstone, coarse-grained to gritty, white, massive, felspathic.
Sandsteen, grofkorrelrig, grys, veldspaties, met 'n kleiagtige bindmateriaal.	11	528 10	Sandstone, coarse-grained, grey, felspathic, with a clayey matrix.
Matkool; gaan oor in gemengde steenkool; bevat baie sideriet- en pirietkorrels; onderste deel hoofsaaklik matkool.	3 0	—	**Coal**, dull; changes into mixed coal; contains many siderite and pyrite pellets; bottom portion mainly dull coal.
Sandsteen, koolstofhoudend ...	3	—	Sandstone, carbonaceous.
Sandsteen, gelaag; donkervaal en vuilvaal lagies wissel af op golfvormige wyse; plek-plek mikadraend; donkervaal en skalieagtig oor onderste 24 dm.	11 4	—	Sandstone, laminated; dark-grey and dirty grey bands alternate in wavy layer fashion; micaceous in places; dark-grey and shaly over bottom 24 in.
Sandsteen, fyn- tot grofkorrelrig, donkervaal tot vaal, veldspaties, met onderste deel koolstofhoudend.	1 6	545 4	Sandstone, fine- to coarse-grained, dark-grey to grey, felspathic, with bottom portion carbonaceous.
Steenkool, met baie glyvlakke ...	1 0	—	**Coal**, with many slip planes.
Skalie, koolstofhoudend	1 1	—	Shale, carbonaceous.
Steenkool, gemeng, kalsiethoudend; hoofsaaklik glanskool by bo-ent en by onderent.	2 3	—	**Coal**, mixed, calcitic; mainly bright coal at top and at bottom.
Skalie, steenkoolagtig, en skalieagtige steenkool.	2 9	—	Shale, coaly, and shaly coal.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Matkool, skalieagtig	3	1	—		**Coal,** dull, shaly.
Matkool hoofsaaklik	1	4	—		**Coal;** mainly dull coal.
Steenkool, gemeng; boonste helfte dowwer, onderste helfte meer glansend; plek-plek sideriet- en piriethoudend.	3	0	559	10	**Coal,** mixed; top half duller, bottom half brighter; sideritic and pyritic in parts.
Sandsteen, donkervaal, gelaag.		2	—		Sandstone, dark-grey, laminated.
Ysterryke, sanderige knol ...		8	—		Ferruginous, sandy nodule.
Sandsteen, fynkorrelrig; afwisselende lagies donkervaal en ligvaal sandsteen; boonste 36 dm. skalieagtig.	9	3	—		Sandstone, fine-grained; alternating bands of dark-grey and light-grey sandstone; top 36 in. shaly.
Sandsteen; afwisselende lagies ligvaal tot vuilvaal sandsteen en swart, skalieagtige sandsteen.	2	3	—		Sandstone; alternating bands of light-grey to dirty grey sandstone and black, shaly sandstone.
Sandsteen, skalieagtig, swart, met groterige verspreide kwartskorrels.	2	10	—		Sandstone, shaly, black, with fairly big scattered quartz grains.
Sandsteen; afwisselende lagies ligvaal en donkervaal sandsteen en swart skalieagtige sandsteen.	7	10	—		Sandstone; alternating bands of light-grey sandstone and black, shaly sandstone.
Sandsteen, fyn- tot grofkorrelrig, grys, veldspaties.	2	6	585	4	Sandstone, fine- to coarse-grained, grey, felspathic.
Sandsteen, koolstofhoudend ...		4	—		Sandstone, carbonaceous.
Steenkool, skalieagtig		8	586	4	**Coal,** shaly.
Matkool, met enkele pirietlense.	3	11	590	3	**Coal,** dull, with occasional pyrite lenses.
Skalie, koolstofhoudend		5	590	8	Shale, carbonaceous.
Sandsteen, skalieagtig, donkervaal tot swart.	1	5	—		Sandstone, shaly, dark-grey to black.
Sandsteen, middel- tot grofkorrelrig, vaalwit, met enkele skalieagtige sandsteenlagies.	7	0	599	1	Sandstone, medium- to coarse-grained, greyish white, with occasional shaly sandstone bands.

BOORGAT 89 : SMITSPAN 717 : BOREHOLE 89

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 772	N.G.	19	162 7	N.S.
D	Glanskool, dungelaag, piriet- en kalsiethoudend.	11	—	Coal, bright, thinly banded, pyritic and calcitic.
	N.G.	65	—	N.S.
C	Glanskool, dungelaag, kalsiethoudend, met 7 dm. swart skalie 14 dm. van bo af uitgesluit.	31	—	Coal, bright, thinly banded, calcitic, with 7 in. black shale 14 in. from top excluded.
	N.G.	37	—	N.S.
B	Glanskool, gelaag, plek-plek skalieagtig; kalsiethoudend.	14	—	Coal, bright, banded, shaly in places; calcitic.
	N.G.	54	—	N.S.
A	Glanskool; hoofsaaklik dungelaag, effens piriet- en kalsiethoudend, met 2 dm. swart skalie 18 dm. van bo af, 6 dm. swart skalie 31 dm. van bo af en 4 dm. swart skalie 57 dm. van bo af.	76	186 7	Coal, bright; mainly thinly banded, slightly pyritic and calcitic, with 2 in. black shale 18 in. from top, 6 in. black shale 31 in. from top and 4 in. black shale 51 in. from top.
Q 773	N.G.	117	200 0	N.S.
G	Glanskool, gelaag, skalieagtig na onder.	46	—	Coal, bright, banded, shaly towards bottom.
	N.G.	8	—	N.S.
F	Glanskool, gelaag, skalieagtig, met 10 dm. hoofsaaklik skalie 19 dm. van bo af.	48	—	Coal, bright, banded, shaly, with 10 in. mainly shale 19 in. from top.
	N.G.	34	—	N.S.
E	Glanskool, gelaag, skalieagtig.	29	—	Coal, bright, banded, shaly.
D	Glanskool, gelaag, onderste helfte plek-plek skalieagtig; piriethoudend.	37	—	Coal, bright, banded, bottom half shaly in parts; pyritic.
	N.G.	87	—	N.S.
C	Glanskool, dungelaag, boonste deel skalieagtig.	18	—	Coal, bright, thinly banded, top portion shaly.
B	Glanskool, gelaag, boonste helfte skalieagtig en onderste helfte met siderietkorrels.	43	—	Coal, bright, banded, top half shaly and bottom half with siderite pellets.
	N.G.	214	—	N.S.
A	Glanskool, gelaag, skalieagtig, effens sideriethoudend in middel, met 'n glyvlak by onderent en 'n helling van ongeveer 5°.	20	252 11	Coal, bright, banded, shaly, slightly sideritic in middle, with a slip plane at bottom and a dip of about 5°.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 774	N.G.	83	304 3	N.S.
B	**Glanskool**, gelaag, kalsiet-, piriet- en sideriethoudend in onderste 10 dm.	41	—	**Coal**, bright, banded, calcitic, pyritic and sideritic in bottom 10 in.
	N.G.	476	—	N.S.
A	**Glanskool**, gelaag, plekplek skalieagtig en pikagtig.	15	348 7	**Coal**, bright, banded, shaly and pitch-like in places.
Q 775	N.G.	11	528 10	N.S.
E	**Matkool**; gaan oor in gemengde steenkool; bevat baie sideriet- en pirietkorrels; onderste deel hoofsaaklik matkool.	36	—	**Coal**, dull; changes into mixed coal; contains many siderite and pyrite pellets; bottom portion mainly dull coal.
	N.G.	182	—	N.S.
D	**Steenkool**, gemeng, kalsiethoudend; hoofsaaklik glanskool by bo-ent en by onder-ent.	27	—	**Coal**, mixed, calcitic; mainly bright coal at top and bottom.
	N.G.	33	—	N.S.
C	**Matkool**, skalieagtig ...	37	—	**Coal**, dull, shaly.
B	**Matkool** hoofsaaklik ...	16	—	**Coal**; mainly dull coal.
A	**Steenkool**, gemeng; boonste helfte dowwer, onderste helfte meer glansend; plekplek sideriet- en piriethoudend.	36	559 10	**Coal**, mixed; top half duller, bottom half brighter; sideritic and pyritic in parts.
Q 776	N.G.	8	586 4	N.S.
A	**Matkool**, met enkele pirietlense.	47	590 3	**Coal**, dull, with occasional pyrite lenses.

BOORGAT 89 : SMITSPAN 717 : BOREHOLE 89

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q772 D	11	—	—	—	—	2·2	24·0	34·2	39·6	2½	56·9	9·7	68·9	14·2	4½	3
C₁	—	−1	1·45	47·2	—	3·0	18·0	34·0	45·0	3	—	—	—	—	—	—
C₂	—	−1	1·45	52·8	—	—	32·3	—	—	—	—	—	—	—	—	—
C	24	—	—	—	—	—	25·6	—	—	—	48·7	8·9	71·0	14·8	3½	2½
B₁	—	−1	1·45	57·5	11·5	2·7	18·6	37·5	41·2	4½	—	—	—	—	—	—
B₂	—	−1	1·45	42·5	—	—	31·5	—	—	—	—	—	—	—	—	—
B	14	—	—	—	—	—	24·1	—	—	—	52·0	9·8	78·5	17·2	4½	3½
A₁	—	−1	1·45	45·9	11·7	2·6	17·7	33·7	46·0	3	—	—	—	—	—	—
A₂	—	−1	1·45	54·1	—	—	50·4	—	—	—	—	—	—	—	—	—
A	76	—	—	—	—	—	35·4	—	—	—	40·0	9·6	59·6	15·6	4	2½
Q773 G₁	—	−1	1·45	73·4	—	2·9	14·4	35·8	46·9	3½	—	—	—	—	—	—
G₂	—	−1	1·45	26·6	—	—	30·3	—	—	—	—	—	—	—	—	—
G	46	—	—	—	—	—	18·6	—	—	—	68·4	8·0	84·1	12·7	3	2½
F	48	—	—	—	—	2·2	38·3	26·8	32·7	1Ag	30·9	8·3	43·1	14·9	3½	2
E	29	—	—	—	—	2·2	30·5	28·3	39·0	1Ag	37·1	7·4	55·1	15·0	3	1½Ag
D₁	—	−1	1·45	56·5	—	3·5	15·2	32·9	48·4	2½	—	—	—	—	—	—
D₂	—	−1	1·45	43·5	—	—	30·9	—	—	—	—	—	—	—	—	—
D	37	—	—	—	—	—	22·0	—	—	—	55·5	7·4	74·1	12·0	3½	2½
C	18	—	—	—	—	2·6	23·9	31·2	42·3	2	51·8	8·5	76·5	15·9	3	2
B	43	—	—	—	—	2·9	27·4	30·2	39·5	2	51·3	8·2	65·3	—	3	2½
A	20	—	—	—	—	2·6	24·7	30·9	41·8	2½	57·1	9·0	74·6	12·3	3	2½
Q774 B	41	—	—	—	—	2·0	30·0	31·7	36·3	1Ag	39·4	9·1	54·6	12·3	3	1Ag
A	15	—	—	—	—	2·2	18·2	33·3	46·3	2½	67·0	6·1	82·1	12·6	3	2½

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H$_2$O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q775 E$_1$	—	−1	1·45	35·0	12·6	2·6	12·0	25·5	59·9	F	—	—	—	—	—	—
E$_2$	—	−1	1·45	65·0	9·4	—	32·0	—	—	—	—	—	—	—	—	—
E	36	—	—	—	—	—	25·0	—	—	—	32·7	7·3	59·7	12·6	1Ag	F
D	27	—	—	—	11·3	2·4	20·6	28·0	49·0	1½Ag	53·2	7·4	75·0	13·6	1½Ag	1Ag
C$_1$	—	−1	1·58	49·2	11·4	2·7	19·3	21·1	56·9	F	—	—	—	—	—	—
C$_2$	—	−1	1·58	50·8	—	—	37·7	—	—	—	—	—	—	—	—	—
C	37	—	—	—	—	—	28·6	—	—	—	17·6	6·9	46·3	13·8	1Ag	F
B$_1$	—	−1	1·58	60·4	11·9	2·7	16·0	25·2	56·1	F	—	—	—	—	—	—
B$_2$	—	−1	1·58	39·6	—	—	33·8	—	—	—	—	—	—	—	—	—
B	16	—	—	—	—	—	22·9	—	—	—	33·8	7·8	62·8	13·1	1Ag	F
A$_1$	—	−1	1·45	58·8	13·0	2·6	10·3	31·9	55·2	2	—	—	—	—	—	—
A$_2$	—	−1	1·45 —1·58	18·8	11·0	2·5	22·0	24·3	51·2	F	—	—	—	—	—	—
A$_1$A$_2$	—	−1	1·58	77·6	12·5	2·6	13·1	30·1	54·2	—	—	—	—	—	—	—
A$_3$	—	−1	1·58	22·4	—	—	46·0	—	—	—	—	—	—	—	—	—
A	36	—	—	—	—	—	20·5	—	—	—	53·6	6·0	74·4	10·3	2½	F
Q776 A$_1$	—	−1	1·58	84·3	12·1	2·7	15·1	22·4	59·8	F	—	—	—	—	—	—
A$_2$	—	−1	1·58	15·7	—	—	41·3	—	—	P	—	—	—	—	—	—
A	47	—	—	—	—	—	19·2	—	—	—	42·5	7·2	76·1	12·2	1Ag	F

BOORGAT 90 : HOOIKRAAL 721 : BOREHOLE 90

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sand (stampboor)	60	0	—		Sand (jumper drill).
Verweerde materiaal (stampboor).	91	1	151	1	Weathered material (jumper drill).
Sandsteen, fynkorrelrig, donkervaal en swart, gelaag, mikadraend, met enkele growwer, dun sandsteenlagies na onder.	8	0	—		Sandstone, fine-grained, dark-grey and black, laminated, micaceous, with occasional coarser, thin sandstone bands towards bottom.
Sandsteen; afwissellende lagies wit tot vaal, middel- tot grofkorrelrige sandsteen, donkervaal tot swart, fynkorrelrige, dikwels skalieagtige sandsteen en swart, middel- tot grofkorrelrige sandsteen; almal in golfvormige lagies.	15	0	174	0	Sandstone; alternating bands of white to grey, medium- to coarse-grained sandstone, dark-grey to black, fine-grained, often shaly sandstone and black, medium- to coarse-grained sandstone; all in wavy layers.
Steenkool, skalieagtig en sanderig.		2	174	2	**Coal,** shaly and sandy.
Matkool; gaan oor in gemengde steenkool.	3	3	177	5	**Coal,** dull; changes into mixed coal.
Skalie, met sandsteenstrepies ...		8	—		Shale, with sandstone stringers.
Sandsteenlagies, fynkorrelrig, donkervaal, en swart sandsteenlagies, om die beurt; mikadraend.	1	11	—		Sandstone bands, fine-grained, dark-grey, alternating with black sandstone bands; micaceous.
Steenkool, skalieagtig, en glanskool.		3	—		**Coal,** shaly, and bright coal.
Sandsteen; middel- tot grofkorrelrige, wit tot vaalwit massiewe, veldspatiese sandsteenlae, en fynkorrelrige, donkervaal tot swart, mikadraende sandsteenlagies, om die beurt.	16	5	—		Sandstone; alternating bands of medium- to coarse-grained, white to greyish white, massive, felspathic sandstone, and fine-grained, dark-grey to black, micaceous sandstone.
Sandsteen; fyn- tot middelkorrelrig, donkervaal tot swart, en swart skalieagtige sandsteen.	13	9	—		Sandstone; fine- to medium-grained, dark-grey to black, and black shaly sandstone.
Sandsteen, swart en fynkorrelrig tot skalieagtig, met enkele swart tot vaal middelkorrelrige lagies.	5	2	215	7	Sandstone, black and fine-grained to shaly, with a few black to grey, medium-grained bands.
Skalie, swart, effens sanderig, met enkele swart grofkorrelrige sandsteenlagies.	13	9	229	4	Shale, black, slightly sandy, with occasional black, coarse-grained sandstone bands.

BOORGAT 90 : HOOIKRAAL 721 : BOREHOLE 90

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth		Nature of strata
		Dm. *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Q 780	N.G.	2	174	2	N.S.
A	Matkool; gaan oor in gemengde steenkool.	39	177	5	Coal, dull; changes nto mixed coal.

BOORGAT 90 : HOOIKRAAL 721 : BOREHOLE 90

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
											Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	Dryfsel Float	
															1·45	1·58
Q 780 A_1	—	−1	1·58	96·2	12·7	3·0	10·7	25·5	60·8	F	—	—	—	—	—	—
A_2	—	−1	1·58	3·8	—	—	42·1	—	—	—	—	—	—	—	—	—
A	39	—	—	—	—	—	11·9	—	—	—	68·1	5·9	91·3	8·7	F	F

BOORGAT 91 : SMITSPAN 717 : BOREHOLE 91

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sand en oppervlaktekalksteen.	85	0	85	0	Sand and surface limestone.
Moddersteen, vaal, verweer in boonste 12 vt.	113	8	198	8	Mudstone, grey, top 12 ft. weathered.
Skalie, kleiagtig, vaal tot swart.	2	0	200	8	Shale, clayey, grey to black.
Steenkool, skalieagtig	1	7	—		**Coal,** shaly.
Skalie, swart, met 'n paar steenkoollagies.	9	9	212	0	Shale, black, with a few coal bands.
Glanskool, gelaag; hoofsaaklik fyngelaag; skalieagtig.	1	1	—		**Coal,** bright, banded; mainly finely banded; shaly.
Skalie, swart	5	11	219	0	Shale, black.
Glanskool, gelaag	1	2	—		**Coal,** bright, banded.
Skalie, koolstofhoudend		4	—		Shale, carbonaceous.
Glanskool, gelaag		10	—		**Coal,** bright, banded.
Skalie, met 'n paar steenkoollagies.	9	1	—		Shale, with a few coal bands.
Glanskool, gelaag, skalieagtig ...	2	1	—		**Coal,** bright, banded, shaly.
Skalie, vaal, en swart skalie ...		11	—		Shale, grey, and black shale.
Glanskool, gelaag, skalieagtig ...	1	1	—		**Coal,** bright, banded, shaly.
Skalie, vaal		4	—		Shale, grey.
Glanskool, gelaag, plek-plek erg skalieagtig.	1	8	236	6	**Coal,** bright, banded, very shaly in parts.
Skalie, swart en vaalswart ...	2	11	—		Shale, black and greyish black.
Skalielae, breed, en lae van gelaagde glanskool en skalie, om die beurt; glyvlak by onderent.	14	8	254	1	Shale bands, broad, alternating with bands of banded bright coal and shale; slip plane at bottom.
Glanskool, gelaag, plek-plek skalieagtig, met 1 dm. skalie 7 dm. van onder af.	4	2	258	3	**Coal,** bright, banded, shaly in places, with 1 in. shale 7 in. from bottom.
Skalie, swart, fossieldraend ...	3	5	—		Shale, black, fossiliferous.
Skalie, koolstofhoudend, en gelaagde glanskool en skalie.	8	10	270	6	Shale, carbonaceous, and banded bright coal and shale.
Glanskool, skalieagtig, piriethoudend, met 2 dm. vitriet by bo-ent.	2	10	—		**Coal,** bright, shaly, pyritic, with 2 in. vitrain at bottom.
Skalie, swart, met twee dun steenkoollagies.	7	9	—		Shale, black, with two thin coal bands.
Glanskool, gelaag, skalieagtig ...	1	0	—		**Coal,** bright, banded, shaly.
Skalie, swart, met drie 2-dm. tot 4-dm. steenkoollae.	5	11	—		Shale, black, with three 2-in. to 4-in. coal bands.
Glanskool, gelaag, pikagtig by bo- en onderent; siderriethoudend en skalieagtig oor middelste 7 dm.	1	7	—		**Coal,** bright, banded, pitch-like at top and bottom; sideritic and shaly over middle 7 in.
Skalie, koolstofhoudend		6	—		Shale, carbonaceous.
Glanskool, gelaag, pikagtig ...		10	—		**Coal,** bright, banded, pitch-like.
Sideriet en glanskool	2	0	—		Siderite and bright coal.
Skalie, swart, met twee dun steenkoollagies.	8	3	—		Shale, black, with two thin coal bands.
Skalie en steenkool		5	—		Shale and coal.
Glanskool, gelaag, skalieagtig oor onderste 4 dm.		11	—		**Coal,** bright, banded, shaly over bottom 4 in.
Skalie, swart, met enkele dun steenkoollagies.	3	3	—		Shale, black, with occasional thin coal bands.
Skalie en steenkool	1	1	—		Shale and coal.

Bg. 91 (*Verv.*) B.H. 91 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Glanskool, gelaag, met baie pikagtige lagies; effens sideriethoudend.	1	11	308	9	**Coal,** bright, banded, with many pitchlike bands; slightly sideritic.
Skalie, met twee 3-dm. steenkoollagies.	3	3	312	0	Shale, with two 3-in. coal bands.
Glanskool, gelaag, plek-plek pikagtig.	1	1	—		**Coal,** bright, banded, pitchlike in parts.
Skalie, swart, met 'n 5-dm. steenkoollagie.	1	6	—		Shale, black, with a 5-in. coal band.
Skalie en gelaagde glanskool ...	3	6	—		Shale and banded, bright coal.
Skalie, met steenkoolstrepies ...	1	6	—		Shale, with coal stringers.
Skalie en gelaagde glankool ...	6	5	—		Shale and banded, bright coal.
Skalie, swart, met 28 2-dm. tot 10-dm. steenkoollagies, sommige waarvan erg sideriethoudend is.	28	9	354	10	Shale, black, with 28 2-in. to 10-in. coal bands, some of which are sideritic.
Glanskool, gelaag, skalieagtig, effens sideriethoudend by onderent.	2	0	—		**Coal,** bright, banded, shaly, slightly sideritic at bottom.
Glanskool, gelaag, erg sideriethoudend.	1	8	358	6	**Coal,** bright, banded, very sideritic.
Skalie, swart, plek-plek koolstofhoudend, met 27 2-dm. tot 8-dm. steenkoollagies, byna almal waarvan erg sideriethoudend is. Verspreide kwartskorrels van 1 tot 2 m.m. deursnee kom voor tussen 371 vt. en 376 vt.	67	6	426	0	Shale, black, carbonaceous in places, with 27 2-in. to 8-in. coal bands, nearly all of which are sideritic. Scattered quartz grains from 1 to 2 m.m. diameter occur between 371 ft. and 376 ft.
Skalielae, koolstofhoudend, en skalieagtige gelaagde glanskoollae om die beurt; erg sideriethoudend by onderent.	2	3	—		Shale bands, carbonaceous, alternating with shaly, banded bright coal bands; very sideritic at bottom.
Skalie, swart, met dertien 2-dm. tot 4-dm. steenkoollagies.	31	6	459	9	Shale, black, with thirteen 2-in. to 4-in. coal bands.
Skalie, koolstofhoudend, verander in steenkoolagtige skalie.	1	5	461	2	Shale, carbonaceous, changes into coaly shale.
Matkool, skalieagtig, nie gelaag	7	8	—		**Coal,** dull, shaly, non-banded.
Skalie, koolstofhoudend, en steenkoolagtige skalie.	3	4	—		Shale, carbonaceous, and coaly shale.
Matkool, skalieagtig, met glanskoolstrepies.	3	0	475	2	**Coal,** dull, shaly, with bright coal stringers.
Skalie, koolstofhoudend, en steenkoolagtige skalie.	3	0	—		Shale, carbonaceous, and coaly shale.
Skalie, sanderig, kleiagtig, vaal.	2	10	—		Shale, sandy, clayey, grey.
Sandsteen, vaal, erg fynkorrelrig.	1	0	—		Sandstone, grey, very fine-grained.
Sandsteen, vaal tot vaalwit, gelaag, fynkorrelrig.	1	2	483	2	Sandstone, grey to greyish white, laminated, fine-grained.
Skalie, koolstofhoudend, skalieagtige steenkool, gelaagde glanskool en steenkoolagtige skalie.	6	4	—		Shale, carbonaceous, shaly coal, banded bright coal and coaly shale.
Sandsteen, skalieagtig, vaal, fossieldraend.	6	1	496	6	Sandstone, shaly, grey, fossiliferous.
Skalie, swart	12	5	508	11	Shale, black.
Skalielae, skalieagtige matkoollae en steenkoolagtige skalielae, om die beurt.	32	6	541	5	Shale bands, shaly dull coal bands and coaly shale bands, alternating.

Aard van lae	Dikte verkry Thickness recovered *Vt. Dm.* *Ft. In.*	Ware diepte True depth *Vt. Dm.* *Ft. In.*	Nature of strata
Skalie, sanderig, swart	1 4	—	Shale, sandy, black.
Sideriet, piriet en steenkool; onderste 4 dm. sanderig.	10	—	Siderite, pyrite and coal; bottom 4 in. sandy.
Sandsteen; fynkorrelrige, mikadraende, donkervaal sandsteenlae en wit sandsteenlae, om die beurt; effens kruisgelaag.	11 4	—	Sandstone; fine-grained, micaceous, dark-grey bands and white bands, alternating; slightly cross-bedded.
Sandsteen, wit, veldspaties, effens gelaag, hoofsaaklik massief, fynkorrelrig by bo-ent en grofkorrelrig naby onderent.	10 10	—	Sandstone, white, felspathic, slightly laminated, mainly massive, fine-grained at top and coarse-grained near bottom.
Sandsteen, wit, massief, velspaties, grofkorrelrig, maar middelkorrelrig na bo.	3 3	—	Sandstone, white, massive, felspathic, coarse-grained, but medium-grained towards top.
Grintsteen, vaal, erg veldspaties.	8	—	Grit, grey, very felspathic.
Sandsteen, fynkorrelrig, taamlik massief, vaalwit, plek-plek mikadraend wanneer gelaag.	2 3	—	Sandstone, fine-grained, fairly massive, greyish white, micaceous in places where laminated.
Sandsteen, wit, massief, veldspaties, grofkorrelrig; minder grof na onder.	14 3	—	Sandstone, white, massive, felspathic, coarse-grained; less coarse towards bottom.
Sandsteen, donkervaal tot swart, grofkorrelrig; minder grof na bo; plek-plek effens kruisgelaag.	1 10	588 0	Sandstone, dark-grey to black, coarse-grained; less coarse towards top; slightly cross-bedded in places.
Steenkool, gemeng; hoofsaaklik matkool, met 'n paar pirietknolle (boonste 66 dm. van kern is erg gebreek).	7 0	—	**Coal,** mixed; mainly dull coal, with a few pyrite nodules (top 66 in. of core is badly broken).
Glanskool en sideriet	11	—	**Coal,** bright, and siderite.
Glanskool, gelaag, piriethoudend, met 'n 2-dm. vitrietlagie by onderent.	1 2	597 2	**Coal,** bright, banded, pyritic, with a 2-in. vitrain band at bottom.
Sandsteen, baie fynkorrelrig, gelaag, donkervaal tot bruinagtig, kruisgelaag.	5 0	—	Sandstone, very fine-grained, laminated, dark-grey to brownish, cross-bedded.
Sandsteen, vaalwit, veldspaties, middel- tot fynkorrelrig, met koolstofhoudende lagies en strepies.	4 1	—	Sandstone, greyish white, felspathic, medium- to fine-grained, with carbonaceous bands and stringers.
Sandsteenlae, fynkorrelrig, en lae van steenkool en fynkorrelrig, gelaagde sandsteen, om die beurt; kom voor op golfvormige wyse.	1 9	608 0	Sandstone bands, fine-grained, and bands of coal and fine-grained, laminated sandstone, alternating; occur in wavy layer fashion.
Matkool, glansend; erg gesny deur talryke glyvlakke, met 1 dm. koolstofhoudende sandsteen 3 dm. van bo af.	1 5	—	**Coal,** dull, lustrous; badly cut by numerous slip planes, with 1 in. carbonaceous sandstone 3 in. from top.
Skalie en moddersteen	6	—	Shale and mudstone.
Steenkool, gemeng; hoofsaaklik matkool; 'n 2-dm. piriethoudende lagie in middel en glyvlakke by bo-ent.	2 9	—	**Coal,** mixed; mainly dull coal; a 2-in. pyritic band in middle and slip planes at top.
Matkool, swaar, en skalieagtige steenkool.	1 0	—	**Coal,** dull, heavy, and shaly coal.
Skalie, koolstofhoudend, en steenkoolagtige skalie, met 'n paar glanskoolstrepies by onderent.	1 0	—	Shale, carbonaceous, and coaly shale, with a few bright coal streaks at bottom.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Steenkool, gemeng, met baie skalielagies; piriet- en kalsiethoudend.	3 2	—	**Coal,** mixed, with many shale bands; pyritic and calcitic.
Steenkool, skalieagtig, en steenkoolagtige skalie.	2 6	—	**Coal,** shaly, and coaly shale.
Steenkool, gemeng; hoofsaaklik glanskool; kalsiethoudend.	1 8	622 0	**Coal,** mixed; mainly bright coal; calcitic.
Sandsteen, fynkorrelrig, gelaag, wit, donkervaal en swart.	3 4	—	Sandstone, fine-grained, laminated, white, dark-grey and black.
Sandsteen; dun lagies swart en vaal tot vaalwit sandsteen.	10	—	Sandstone; thin bands of black and grey to greyish white sandstone.
Sandsteen, vaalbruin, kruisgelaag; boonste 12 dm. is skalieagtig en onderste 2 vt. vaalwit.	5 9	—	Sandstone, greyish brown, cross-bedded; top 12 in. shaly and bottom 2 ft. greyish white.
Skalie, swart, sanderig, met baie golfvormige lagies van swart en vaalswart sandsteen.	11 5	—	Shale, black, sandy, with many wavy layers of black and greyish black sandstone.
Sandsteen, grofkorrelrig, donkervaal tot vaalswart; effens kruisgelaag.	2 8	646 0	Sandstone, coarse-grained, dark grey to greyish black; slightly cross-bedded.
Matkool (weens boormoeilikheid is boorgat in die steenkool gestop).	2 0	648 0	**Coal,** dull (hole was stopped in coal owing drilling diffculties).

BOORGAT 91 : SMITSPAN 717 : BOREHOLE 91

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 856	N.G.	117	212 0	N.S.
F	**Glanskool,** gelaag; hoofsaaklik fyngelaag; skalieagtig.	13	—	**Coal,** bright, banded; mainly finely banded; shaly.
	N.G.	71	—	N.S.
E	**Glanskool,** gelaag ...	14	—	**Coal,** bright, banded.
	N.G.	4	—	N.S.
	Glanskool, gelaag ...	10	—	**Coal,** bright, banded.
	N.G.	109	—	N.S.
D	**Glanskool,** gelaag, skalieagtig.	25	—	**Coal,** bright, banded, shaly.
	N.G.	11	—	N.S.
C	**Glanskool,** gelaag, skalieagtig.	13	—	**Coal,** bright, banded, shaly.
	N.G.	4	—	N.S.
B	**Glanskool,** gelaag, plekplek erg skalieagtig.	20	—	**Coal,** bright, banded, very shaly in places.
	N.G.	211	254 1	N.S.
A	**Glanskool,** gelaag, plekplek skalieagtig, met 1 dm. skalie 7 dm. van onder af.	50	258 3	**Coal,** bright, banded, shaly in places, with 1 in. shale 7 in. from bottom.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 857	N.G.	106	270 6	N.S.
F	**Glanskool,** skalieagtig, piriethoudend, met 2 dm. vitriet by bo-ent.	34	—	**Coal, bright, shaly, pyritic, with 2 in. vitrain at top.**
	N.G.	93	—	N.S.
E	**Glanskool,** gelaag, skalieagtig.	12	—	**Coal, bright, banded, shaly.**
	N.G.	71	—	N.S.
D	**Glanskool,** gelaag, pikagtig by bo- en onderent; sideriethoudend en skalieagtig oor middelste 7 dm.	19	—	**Coal, bright, banded, pitch-like at top and bottom; sideritic and shaly over middle 7 in.**
	N.G.	6	—	N.S.
C	**Glanskool,** gelaag, pikagtig.	10	—	**Coal, bright, banded, pitch-like.**
	N.G.	128	—	N.S.
B	**Glanskool,** gelaag, skalieagtig oor onderste 4 dm.	11	—	**Coal, bright, banded, shaly over bottom 4 in.**
	N.G.	52	—	N.S.
A	**Glanskool,** gelaag, met baie pikagtige lagies; effens sideriethoudend.	23	308 9	**Coal, bright, banded, with many pitch-like bands; slightly sideritic.**
Q 858	N.G.	39	312 0	N.S.
C	**Glanskool,** gelaag, plek-plek pikagtig.	13	—	**Coal, bright, banded, pitch-like in parts.**
	N.G.	500	354 10	N.S.
B	**Glanskool,** gelaag, skalieagtig, sideriethoudend by onderent.	24	—	**Coal, bright, banded, shaly, slightly sideritic at bottom.**
A	**Glanskool,** gelaag, erg sideriethoudend.	20	358 6	**Coal, bright, banded, very sideritic.**
Q 859	N.G.	17	461 2	N.S.
B	**Matkool,** skalieagtig, nie-gelaag.	92	—	**Coal, dull, shaly, non-banded.**
	N.G.	40	—	N.S.
A	**Matkool,** skalieagtig, met glanskoolstrepies.	36	475 2	**Coal, dull, shaly, with bright coal streaks.**
R 68	N.G.	22	588 0	N.S.
B	**Steenkool,** gemeng; hoofsaaklik matkool, met 'n paar piriet-knolle (boonste 66 dm. van kern is erg gebreek).	84	—	**Coal, mixed; mainly dull coal, with a few pyrite nodules (top 66 in. of core is badly broken).**
	N.G.	11	—	N.S.
A	**Glanskool,** gelaag, piriethoudend, met 'n 2-dm. vitrietlagie by onderent.	14	597 2	**Coal, bright, banded, pyritic, with a 2-in. vitrain band at bottom.**

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
R 69	N.G.	21	608 0	N.S.
F	Matkool, glansend; erg opgesny deur talryke glyvlakke, met 1 dm. koolstofhoudende sandsteen 3 dm. van bo af uitgesluit.	17	—	Coal, dull, lustrous; badly cut by numerous slip planes, with 1 in. carbonaceous sandstone 3 in. from top excluded.
	N.G.	6	—	N.S.
E	Steenkool, gemeng; hoofsaaklik matkool, met 'n 2-dm. piriethoudende lagie in middel uitgesluit en glyvlakke by bo-ent.	33	—	Coal, mixed; mainly dull coal, with a 2-in. pyritic band in middle excluded, and slip planes at top.
D	Matkool, swaar, en skalieagtige steenkool.	12	—	Coal, dull, heavy, and shaly coal.
	N.G.	12	—	N.S.
C	Steenkool, gemeng, met baie skalielagies; piriet- en kalsiethoudend.	38	—	Coal, mixed, with many shale bands; pyritic and calcitic.
	N.G.	30	—	N.S.
B	Steenkool, gemeng; hoofsaaklik glanskool; kalsiethoudend.	20	622 0	Coal, mixed; mainly bright coal; calcitic.
	N.G.	288	646 0	N.S.
A	Matkool	24	648 0	Coal, dull.

BOORGAT 91 : SMITSPAN 717 : BOREHOLE 91

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	Wastoets Washing Test: Groot-te, Dm. Size, In.	Wastoets Washing Test: S.G.	Wastoets Washing Test: Op-brengs Yield %	Kortanalises (Luggedroogde steenkool) Proximate Analyses (Air-dried coal): V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Soortlike Gewig-Afskeiding (−16 maas B.S.S.) Specific Gravity Separation (−16 mesh B.S.S.): Dryfsel, 1·45 Float, 1·45: Op-brengs Yield %	Dryfsel, 1·45 Float, 1·45: As Ash %	Dryfsel, 1·58 Float, 1·58: Op-brengs Yield %	Dryfsel, 1·58 Float, 1·58: As Ash %	Sw.-syfer Swelling number, Dryfsel Float: 1·45	Sw.-syfer Swelling number, Dryfsel Float: 1·58
Q 856 F	13	—	—	—	—	2·2	29·7	33·5	34·6	2½	46·0	9·0	59·7	14·0	3½	3
E_1	—	−1	1·45	55·4	11·6	3·0	18·0	35·7	43·3	4	—	—	—	—	—	—
E_2	—	−1	1·45	44·6	—	—	30·1	—	—	1½Ag	—	—	—	—	—	—
E	24	—	—	—	—	—	23·5	—	—	—	50·2	10·5	83·7	18·0	2½	2½
D_1	—	−1	1·45	62·0	11·7	3·6	16·1	34·0	46·3	3½	—	—	—	—	—	—
D_2	—	−1	1·45	38·0	—	—	36·0	—	—	1½Ag	—	—	—	—	—	—
D	25	—	—	—	—	—	23·7	—	—	—	55·2	9·4	80·0	15·2	2½	1½Ag
C_1	—	−1	1·45	65·6	11·8	3·2	15·6	34·5	46·7	4½	—	—	—	—	—	—
C_2	—	−1	1·45	34·4	—	—	28·6	—	—	1½Ag	—	—	—	—	—	—
C	13	—	—	—	—	—	20·1	—	—	—	56·8	9·1	92·0	17·3	4	2
B	20	—	—	—	10·5	2·9	23·1	34·9	39·1	3	53·1	9·8	76·8	15·4	4	2½
A_1	—	−1	1·45	81·1	12·2	3·3	14·6	35·5	46·6	4	—	—	—	—	—	—
A_2	—	−1	1·45	18·9	—	—	38·5	—	—	F	—	—	—	—	—	—
A	50	—	—	—	—	—	19·0	—	—	—	68·9	9·1	89·7	14·5	3½	2
Q 857 F	34	—	—	—	10·1	2·9	25·9	30·9	40·3	2	42·1	6·8	65·4	13·1	4	1½Ag
E	12	—	—	—	11·1	2·9	20·5	33·4	43·2	3	63·5	11·0	86·6	15·7	3	2
D_1	—	−1	1·45	50·3	11·9	3·2	15·7	34·4	46·7	4½	—	—	—	—	—	—
D_2	—	−1	1·45	49·7	—	—	35·0	—	—	1½Ag	—	—	—	—	—	—
D	19	—	—	—	—	—	25·2	—	—	—	53·4	10·3	72·4	14·8	4	3
C	10	—	—	—	11·2	3·3	18·4	34·8	43·5	4½	71·5	8·5	82·3	11·2	4½	4
B	11	—	—	—	11·1	3·0	19·9	33·1	44·0	3½	70·7	11·4	84·3	13·8	3½	2½
A_1	—	−1	1·45	69·4	12·0	3·2	14·5	34·7	47·6	4	—	—	—	—	—	—
A_2	—	−1	1·45	30·6	—	—	27·3	—	—	1½Ag	—	—	—	—	—	—
A	23	—	—	—	—	—	18·3	—	—	—	66·1	8·0	85·3	12·4	4	3½

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
		Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45 Opbrengs Yield %	Dryfsel, 1·45 Float, 1·45 As Ash %	Dryfsel, 1·58 Float, 1·58 Opbrengs Yield %	Dryfsel, 1·58 Float, 1·58 As Ash %	Sw.-syfer Swelling number Dryfsel Float 1·45	Sw.-syfer Swelling number Dryfsel Float 1·58
Q 858 C	13	—	—	—	10·7	2·8	21·9	33·9	41·4	3	57·3	7·7	80·5	14·4	3½	2
B	24	—	—	—	10·7	2·5	22·6	33·4	41·5	2	52·2	8·2	78·1	14·2	4½	3½
A	20	—	—	—	10·6	2·5	21·9	37·6	38·0	3½	65·2	6·7	74·7	9·3	4½	4
Q 859 B_1	—	−1	1·58	76·8	—	2·6	34·8	21·2	41·4	P	—	—	—	—	—	—
B_2	—	−1	1·58	23·2	—	—	47·9	—	—	P	—	—	—	—	—	—
B	92	—	—	—	—	—	37·8	—	—	—	3·2	—	9·0	17·2	—	—
A_1	—	−1	1·58	85·7	—	2·6	33·1	30·5	33·8	P	—	—	—	—	—	—
A_2	—	−1	1·58	14·3	—	—	47·9	—	—	P	—	—	—	—	—	—
A	36	—	—	—	—	—	35·2	—	—	—	4·7	—	19·9	18·0	—	1Ag
R 68 B_1	—	−1	1·58	51·0	11·6	2·9	17·9	21·0	58·2	—	—	—	—	—	—	—
B_2	—	−1	1·58	49·0	—	—	39·1	—	—	—	—	—	—	—	—	—
B	84	—	—	—	—	—	28·2	—	—	—	22·3	9·4	51·3	14·3	F	F
A	14	—	—	—	—	3·1	13·9	26·8	56·2	—	74·6	6·7	89·1	8·6	1½	1½
R 69 F_1	—	−1	1·58	47·0	—	—	—	—	—	—	—	—	—	—	—	—
F_2	—	−1	1·58	53·0	—	—	—	—	—	—	—	—	—	—	—	—
E_1	—	−1	1·58	67·0	—	—	—	—	—	—	—	—	—	—	—	—
E_2	—	−1	1·58	33·0	—	—	—	—	—	—	—	—	—	—	—	—
F_1E_1	—	−1	1·58	60·2	11·6	3·0	17·2	27·3	52·5	1½	—	—	—	—	—	—
F_2E_2	—	−1	1·58	39·8	—	—	42·8	—	—	—	—	—	—	—	—	—
EF	50	—	—	—	—	—	27·4	—	—	—	36·2	8·3	58·9	13·0	1½	1½
D	12	—	—	—	—	2·2	30·8	19·9	47·1	F	15·3	8·7	36·2	17·9	1	1Ag
C_1	—	−1	1·58	54·2	11·6	2·9	17·4	25·5	54·2	F	—	—	—	—	—	—
C_2	—	−1	1·58	45·8	—	—	43·1	—	—	—	—	—	—	—	—	—
C	38	—	—	—	—	—	29·2	—	—	—	30·2	7·2	53·3	13·6	1	1Ag
B	20	—	—	—	11·4	2·3	19·3	29·7	48·7	1Ag	61·9	6·3	75·0	8·9	2	1½
A	24	—	—	—	12·3	2·9	12·7	21·6	62·8	F	58·3	6·8	91·6	11·3	1Ag	F

BOORGAT 92 : KRINGGATSPRUIT 706 : BOREHOLE 92

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sand	4	0	4	0	Sand.
Ouklip	12	0	16	0	Laterite.
Verweringsmateriaal (stampboor).	126	0	142	0	Weathered material (jumper drill).
Skalie, koolstofhoudend, en swart skalie, met drie 9-dm. sideriethoudende steenkoollae en baie 1-dm. tot 2-dm. steenkoollagies.	80	8	—		Shale, carbonaceous, and black shale, with three 9-in. sideritic coal bands and many 1-in. to 2-in. coal bands.
Skalie, steenkoolagtig, en koolstofhoudende skalie.	1	1	223	9	Shale, coaly, and carbonaceous shale.
Matkool, skalieagtig, met baie min glanskool; 6 dm. gelaagde, kalsiet- en piriethoudende glanskool by onderent.	3	10	—		**Coal,** dull, shaly, with very little bright coal, 6 in. banded calcitic and pyritic bright coal at bottom.
Sandsteen, gelaag, mikadraend, vaal, vaalbruin en vaalswart.	1	9	—		Sandstone, laminated, micaceous, grey, greyish brown and greyish black.
Skalie, swart		3	—		Shale, black.
Skalie en sandsteen		4	—		Shale and sandstone.
Skalie, koolstofhoudend, en steenkoolagtige skalie, met baie min glanskool; erg sideriethoudend in middelste 11 dm.	2	4	—		Shale, carbonaceous, and coaly shale, with very little bright coal; very sideritic in middle 11 in.
Skalie, bruinagtig		9	—		Shale, brownish.
Steenkool, gemeng; hoofsaaklik matkool; kalsiethoudend, en erg sideriethoudend in boonste helfte.	2	0	235	0	**Coal,** mixed; mainly dull coal; calcitic and very sideritic in top half.
Skalie		5	—		Shale.
Skalie, bruin, kleiagtig, met baie fossielwortels.	2	6	—		Shale, brown, clayey, with many fossil-roots.
Skalie, swart, en koolstofhoudende skalie.	9	1½	—		Shale, black, and carbonaceous shale.
Glanskool, dungelaag, piriethoudend.		7½	—		**Coal,** bright, thinly banded, pyritic.
Skalie, steenkoolagtig, en skalieagtige steenkool.	1	6	—		Shale, coaly, and shaly coal.
Skalie, kleiagtig, bruinswart, fossieldraend.	4	11	—		Shale, clayey, brownish black, fossiliferous.
Skalie en steenkool	1	0	—		Shale and coal.
Skalie, ysterdraend, sideriethoudend, met 'n bietjie glanskool.	1	0	—		Shale, ferruginous, sideritic, with a little bright coal.
Skalie, bruinagtig tot swart, met enkele glanskoolstrepies.	5	9	—		Shale, brownish to black, with occasional bright coal streaks.
Skalie, bruin	5	3	—		Shale, brown.
Skalie, swart, met baie glanskoolstrepies.	2	7	—		Shale, black, with many bright coal streaks.
Moddersteen, bruin	9	7	—		Mudstone, brown.
Moddersteen	2	7	—		Mudstone.
Moddersteen, bruinagtig, mikadraend, effens sanderig na onder.	6	5	—		Mudstone, brownish, micaceous, slightly sandy towards bottom.
Sandsteen, kleiagtig, mikadraend, ligbruin.	2	6	—		Sandstone, clayey, micaceous, light-brown.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Sandsteen, wit, massief, fynkorrelrig; word geleidelik growwer na onder waar dit veldspaties is.	10 11	—	Sandstone, white, massive, fine-grained; gets gradually coarser towards bottom where it is felspathic.
Sandsteen, grofkorrelrig tot grintagtig, veldspaties, met enkele moddersteeninsluitsels.	2 2	—	Sandstone, coarse-grained to gritty, felspathic, with occasional mudstone inclusions.
Sandsteen, fynkorrelrig, wit, veldspaties, massief.	18 1	—	Sandstone, fine-grained, white, felspathic, massive.
Sandsteen, fynkorrelrig, gelaag, mikadraend, vaal tot wit, met 'n helling van ongeveer 15°.			Sandstone, fine-grained, laminated, micaceous, grey to white, with a dip of approximately 15°.
Sandsteen, fyn- tot middelkorrelrig, wit, massief, veldspaties; onderste 18 dm. grintagtig met moddersteeninsluitsels.	28 8	—	Sandstone, fine- to medium-grained, white, massive, felspathic; bottom 18 in. gritty with mudstone inclusions.
Sandsteen, fynkorrelrig, gelaag, donkervaal tot swart.	2 0	—	Sandstone, fine-grained, lamilaminated, dark-grey to black.
Sandsteenlae, vuilvaal, en swart, sanderige skalielae, om die beurt.	2 9	358 5	Sandstone bands, dirty grey, alternating with black, sandy shale bands.
Steenkool, gemeng, gelaag; boonste 10 dm. is dof; 3 dm. vaal sanderige skalie 18 dm. van bo af.	2 11	—	**Coal,** mixed, banded; top 10 in. is dull; 3 in. grey, sandy shale 18 in. from top.
Moddersteen, koolstofhoudend, en skalieagtige steenkool.	8	—	Mudstone, carbonaceous, and shaly coal.
Matkool, met enkele glanskoolstrepies en enkele pirietknolle.	4 0	—	**Coal,** dull, with occasional bright coal stringers and a few pyrite nodules.
Steenkool, gemeng, gelaag, met 'n 2-dm. skalieagtige laag 8 dm. van bo af.	2 1	—	**Coal,** mixed, banded, with a 2-in. shaly band 8 in. from bottom.
Moddersteen, koolstofhoudend	3	—	Mudstone, carbonaceous.
Matkool, met 'n paar breë vitrietagtige lae by bo-ent en naby onderent; enkele pirietknolle kom voor.	3 4	371 8	**Coal,** dull, with a few broad vitrainous bands at top and near bottom; occasional pyrite nodules are present.
Sandsteenlae, gelaag, fynkorrelrig, mikadraend, donkervaal, en vuilwit fynkorrelrige sandsteenlae, om die beurt; almal golfvormig gelaag.	18 7	—	Sandstone bands, laminated, fine-grained, micaceous, dark-grey, alternating with dirty white, fine-grained sandstone bands; all in wavy layers.
Sandsteen, erg fynkorrelrig, gelaag, donkervaal, mikadraend, skalieagtig in onderste 3 vt., met enkele kwartskorrels en grintagtige lagies.	8 11	—	Sandstone, very fine-grained, laminated, dark-grey, micaceous, shaly in bottom 3 ft., with occasional quartz grains and gritty bands.
Sandsteenlae, vaal en vuilvaal tot swart, en sanderige, swart skalielae, om die beurt; golfvormig gelaag.	19 9	418 11	Sandstone bands, grey and dirty grey to black, alternating with sandy, black shale bands; banded in wavy layer fashion.
Matkool hoofsaaklik	5	—	**Coal;** mainly dull coal.
Sandsteen, koolstofhoudend, en steenkool, met 'n glyvlak by bo-ent.	5	419 9	Sandstone, carbonaceous, and coal, with a slip plane at top.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Steenkool, gemeng; hoofsaaklik matkool.	2 1	421 10	Coal, mixed; mainly dull coal.
Skalie, gelaag, sanderig	7	—	Shale, laminated, sandy.
Sandsteenlae, gelaag, fynkorrelrig, mikadraend, donkervaal, en vuilwit, fynkorrelrige sandsteenlae, om die beurt; almal golfvormig gelaag.	19 9	—	Sandstone bands, laminated, fine-grained, micaceous, dark-grey, alternating with dirty white, fine-grained, sandstone bands; all banded in wavy layer fashion.
Sandsteen, vaal en swart, plekplek skalieagtig, en swart, sanderige skalie.	7 10	450 0	Sandstone, grey and black, shaly in places, and black sandy shale.

BOORGAT 92 : KRINGGATSPRUIT 706 : BOREHOLE 92

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
Q 860	N.G.	13	223 9	N.S.
B	**Matkool,** skalieagtig, met baie min glanskool; 6 dm. gelaagde, kalsiet- en piriethoudende glanskool by onderent.	46	—	Coal, dull, shaly, with very little bright coal; 6 in. banded, calcitic and pyritic bright coal at bottom.
	N.G.	65	—	N.S.
A	**Steenkool,** gemeng; hoofsaaklik matkool; kalsiethoudend en erg sideriethoudend in boonste helfte.	24	235 0	Coal, mixed; mainly dull coal; calcitic and very sideritic in top half.
Q 861	N.G.	33	358 5	N.S.
E	**Steenkool,** gemeng, gelaag; boonste 10 dm. is dof; 3 dm. vaal sanderige skalie 18 dm. van bo af uitgesluit.	35	—	Coal, mixed, banded; top 10 in. is dull; 3 in. grey sandy shale 18 in. from top excluded.
	N.G.	8	—	N.S.
D	**Matkool,** met enkele glanskoolstrepies en enkele pirietknolle.	48	—	Coal, dull, with occasional bright coal stringers and a few pyrite nodules.
C	**Steenkool,** gemeng, gelaag, met 'n 2-dm. skalieagtige laag 8 dm. van bo af.	25	—	Coal, mixed, banded, with a 2-in. shaly band 8 in. from top.
	N.G.	3	—	N.S.
B	**Matkool,** met 'n paar breë, vitrietagtige lae by bo-ent en naby onderent; enkele pirietknolle kom voor.	40	371 8	Coal, dull, with a few broad, vitrainous bands at top and near bottom; occasional pyrite nodules are present.
	N.G.	577	—	N.S.
A	**Steenkool,** gemeng; hoofsaaklik matkool.	25	421 10	Coal, mixed; mainly dull coal.

BOORGAT 92 : KRINGGATSPRUIT 706 : BOREHOLE 92

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
Q 860 B	46	—	—	—	—	2·5	32·7	22·5	42·3	P	14·2	7·2	29·3	12·9	—	1Ag
A	24	—	—	—	—	2·6	29·6	26·1	41·7	P	12·6	7·0	35·0	11·4	—	1Ag
Q 861 E_1	—	−1	1·58	86·0	12·5	3·6	10·3	26·7	59·4	P	—	—	—	—	—	—
E_2	—	−1	1·58	14·0	—	—	49·2	—	—	P	—	—	—	—	—	—
E	35	—	—	—	—	—	15·7	—	—	—	52·0	5·4	83·7	9·8	1Ag	1Ag
D_1	—	−1	1·58	80·4	11·5	3·3	16·8	22·3	57·6	P	—	—	—	—	—	—
D_2	—	−1	1·58	19·6	—	—	32·5	—	—	—	—	—	—	—	—	—
D	48	—	—	—	—	—	19·9	—	—	—	26·3	8·3	73·6	13·5	1F	1F
B_1C_1	—	−1	1·58	74·7	12·1	3·2	13·4	26·9	56·5	P	59·3	6·5	93·3	11·0	1Ag	1Ag
B_2C_2	—	−1	1·58	25·3	—	—	45·4	—	—	P	8·8	6·4	16·9	12·4	—	—
BC	65	—	—	—	—	—	21·5	—	—	—	46·5	6·5	74·0	11·1	—	—
A	25	—	—	—	13·1	3·4	8·3	29·3	59·0	F	87·2	5·9	97·7	7·2	1Ag	1Ag

BOORGAT 93 : MASSENBERG 720 : BOREHOLE 93

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sand	40	0	40	0	Sand.
Verweringsmateriaal	108	0	148	0	Weathered material.
Skalie en steenkool (stampboor).	13	6	161	6	Shale and coal (jumper drill).
Skalie en steenkool	2	3	—		Shale and coal.
Steenkool, skalieagtige steenkool en koolstofhoudende skalie; boonste helfte erg sideriethoudend.	2	0	—		**Coal,** shaly coal and carbonaceous shale; top half very sideritic.
Skalie, bruin, vaal en swart	4	7	—		Shale, brown, grey and black.
Skalie, swart met 'n bietjie koolstofhoudende skalie.	5	9	—		Shale, black, with a little carbonaceous shale.
Skalie, vaalbruin	1	7	—		Shale, greyish brown.
Skalie, swart, en koolstofhoudende skalie, met baie pirietknolle in onderste 9 dm.	5	3	—		Shale, black, and carbonaceous shale, with many pyrite nodules in bottom 9 in.
Skalie, bruinagtig	1	4	—		Shale, brownish.
Skalie, swart, plek-plek vaalbruin.	8	2	—		Shale, black, greyish brown in places.
Skalie, bruin	2	8	—		Shale, brown.
Skalie, swart, met onderste 2 vt. koolstofhoudend en steenkoolagtig.	7	8	—		Shale, black, with bottom 2 ft. carbonaceous and coaly.
Skalie, bruin, met onderste helfte vaalbruin.	3	8	—		Shale, brown, with bottom half greyish brown.
Skalie, koolstofhoudend	1	4	—		Shale, carbonaceous.
Skalie, bruin, met onderste 6 dm. sanderig.	1	3	209	0	Shale, brown, with bottom 6 in. sandy.
Sandsteen, erg fynkorrelrig, mikadraend, ligbruin; onderste helfte is gelaag.	10	7	—		Sandstone, very fine-grained, micaceous, light-brown; bottom half is laminated.
Sandsteen; fynkorrelrige, kruisgelaagde, mikadraende, wit en bruin lae.	5	2	—		Sandstone; fine-grained, cross-bedded, micaceous, white and brown bands.
Sandsteen, wit, massief, veldspaties, middelkorrelrig, plek-plek met 'n effens gelaagde struktuur.	43	2	—		Sandstone, white, massive, felspathic, medium-grained, with a slight laminated structure in parts.
Sandsteen, grys, grofkorrelrig by bo-ent en grintagtig by onderent; veldspaties.	2	4	270	3	Sandstone, grey, coarse-grained at top and gritty at bottom; felspathic.
Steenkool, gemeng; hoofsaaklik glanskool; erg piriethoudend.	1	6	—		**Coal,** mixed; mainly bright coal; very pyritic.
Sandsteen; fynkorrelrige, mikadraende, kruisgelaagde, ligvaal en donkervaal lae; onderste 2 vt. is effens bruinagtig.	9	4	—		Sandstone; fine-grained, micaceous, cross-bedded, light-grey to dark-grey bands; bottom 2 ft. slightly brownish.
Sandsteen, vuilvaal, fyn- tot middelkorrelrig.	3	0	284	1	Sandstone, dirty grey, fine- to medium-grained.
Skalie, koolstofhoudend, en swart skalie.	2	6	286	7	Shale, carbonaceous, and black shale.
Matkool, minderwaardig		11	—		**Coal,** dull, inferior.
Steenkool, gemeng, fusiethoudend.	1	6	—		**Coal,** mixed, fusainous.
Skalie en steenkool	1	0	—		Shale and coal.
Matkool, met enkele glanskoolstrepies.	1	4	—		**Coal,** dull, with occasional bright coal streaks.
Steenkool, gemeng, erg fusiethoudend.	1	1	—		**Coal,** mixed, very fusainous.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Steenkool; gemeng; hoofsaaklik matkool; meer glansend by onderent, met 'n ½-dm. moddersteenlagie 13 dm. van bo af.	2	4	—		**Coal,** mixed; mainly dull coal; brighter at bottom, with a ½-in. mudstone band 13 in. from top.
Matkool, swaar, met ½ dm. moddersteen by bo-ent.		11	—		**Coal,** dull, heavy, with ½ in. mudstone at top.
Steenkool, gemeng; hoofsaaklik glanskool; meer glansend by onderent, met 'n paar breë vitrietlagies; onderste 10 dm. is sideriethoudend.	1	11	297	7	**Coal,** mixed; mainly bright coal; brighter at bottom, with a few broad vitrain bands; bottom 10 in. is sideritic.
Skalie, swart		3	—		Shale, black.
Sandsteen; fynkorrelrige, mikadraende, kruisgelaagde ligvaal en donkervaal lae.	6	8	—		Sandstone; fine-grained, micaceous, cross-bedded, light-grey and dark-grey bands.
Sandsteen, donkervaal, fyngelaag; fynkorrelrig in boonste helfte en skalieagtig in onderste helfte, met baie vuilwit, fyn- tot middelkorrelrige en swart sandsteenlagies.	13	3	—		Sandstone, dark-grey, finely laminated; fine-grained in top half and shaly in bottom half, with many dirty white, fine- to medium-grained and black sandstone bands.
Sandsteen; golfvormige lagies swart, middelkorrelrige sandsteen, vuilwit middelkorrelrige sandsteen, swart sanderige skalie en skalieagtige sandsteen.	5	8	323	7	Sandstone; wavy layers of black medium-grained sandstone, dirty white medium-grained sandstone, black sandy shale and shaly sandstone.
Matkool, plek-plek glansend; onderste 13 dm. gemengde steenkool.	3	8	327	3	**Coal,** dull, lustrous in parts; bottom 13 in. mixed coal.
Sandsteen, donkervaal, skalieagtig.	1	1	—		Sandstone, dark-grey, shaly.
Sandsteen; fynkorrelrige, mikadraende, kruisgelaagde ligvaal en donkervaal lae; onderste 2 vt. is effens bruinagtig.	8	0	—		Sandstone, fine-grained, micaceous, cross-bedded, light-grey and dark-grey bands; bottom 2 ft. is slightly brownish.
Sandsteen, witagtig, grofkorrelrig, massief, veldspaties.	2	0	—		Sandstone, whitish, coarse-grained, massive, felspathic.
Sandsteenlae, gelaag, fynkorrelrig, swart, mikadraend, en lae van middelkorrelrige, veldspatiese, vuilwit sandsteen, om die beurt.	2	5	—		Sandstone bands, laminated, fine-grained, black, micaceous, alternating with bands of medium-grained, felspathic, dirty white sandstone.
Sandsteen, wit tot vuilwit, massief, veldspaties, middel- tot grofkorrelrig; onderste 2 vt. 6 dm. grintagtig.	8	6	—		Sandstone, white to dirty white, massive, felspathic, medium- to coarse-grained; bottom 2 ft. 6 in. gritty.
Sandsteen; golfvormige gelaagde swart tot vaalswart, skalieagtige lae, en breër fynkorrelrige tot grintagtige, veldspatiese vuilwit sandsteenlae, en swart tot vaalswart, fyn- tot grofkorrelrige sandsteenlae, om die beurt.	19	6	368	9	Sandstone; alternating wavy bands of black to greyish black, shaly sandstone, and broad fine-grained to gritty, felspathic, dirty white bands, and black to greyish black, fine- to coarse-grained bands.
Skalie, swart, effens sanderig na onder, met baie dun sandsteenlagies en 'n paar swart tot vuilwit sandsteenlagies tussen ½ dm. en 3 dm. dikte in onderste twee-derde van hele laag.	8	3	377	0	Shale, black, slightly sandy towards bottom, with many thin sandstone bands and a few black to dirty grey sandstone bands between ½ in. and 3 in. thick in bottom two thirds of the whole band.

BOORGAT 93 : MASSENBERG 720 : BOREHOLE 93

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
R 70	N.G.	28	270 3	N.S.
H	Steenkool, gemeng; hoofsaaklik glanskool; erg piriethoudend.	18	—	Coal, mixed; mainly bright coal; very pyritic.
	N.G.	178	286 7	N.S.
G	Matkool, minderwaardig.	11	—	Coal, dull, inferior.
F	Steenkool, gemeng, fusiethoudend.	18	—	Coal, mixed, fusainous.
	N.G.	12	—	N.S.
E	Matkool, met enkele glanskoolstrepies.	16	—	Coal, dull, with occasional bright coal stringers.
	Steenkool, gemeng, erg fusiethoudend.	13	—	Coal, mixed, very fusainous.
D	Steenkool, gemeng; hoofsaaklik matkool; meer glansend by onderent, met ½ dm. moddersteen 13 dm. van bo af.	28	—	Coal, mixed; mainly dull coal; brighter at bottom, with ½ in. mudstone 13 in. from top.
C	Matkool, swaar, met ½ dm. moddersteen by bo-ent.	11	—	Coal, dull, heavy, with ½ in. mudstone at top.
B	Steenkool, gemeng; hoofsaaklik glanskool; meer glansend by onderent, met 'n paar breë vitrietlagies; onderste 10 dm. is sideriethoudend.	23	297 7	Coal, mixed; mainly bright coal; brighter at bottom, with a few broad vitrain bands; bottom 10 in. is sideritic.
	N.G.	310	323 7	N.S.
A	Matkool, plek-plek glansend; onderste 13 dm. gemengde steenkool.	44	327 3	Coal, dull, lustrous in parts; bottom 13 in. mixed coal.

BOORGAT 93 : MASSENBERG 720 : BOREHOLE 93

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
R 70 H	18	—	—	—	—	2·6	20·7	27·0	49·7	1	56·1	6·7	72·5	10·2	1	F
$G_1F_1E_1D_1$	—	−1	1·58	77·3	12·1	3·8	13·6	23·7	58·9	P	—	—	—	—	—	—
$G_2F_2E_2D_2$	—	−1	1·58	22·7	—	—	33·5	—	—	—	—	—	—	—	—	—
GFED	86	—	—	—	—	—	18·2	—	—	—	—	—	—	—	—	—
C	11	—	—	—	—	2·8	34·0	17·7	45·5	P	15·6	7·8	38·5	13·4	1	F
B_1	—	−1	1·35	60·9	13·2	4·4	7·2	31·1	57·3	1Ag	—	—	—	—	—	—
B_2	—	−1	1·35 −1·58	30·7	11·5	3·7	16·6	26·0	53·7	F	—	—	—	—	—	—
B_1B_2	—	−1	1·58	91·6	12·6	4·2	10·4	29·4	56·0	—	—	—	—	—	—	—
B_3	—	−1	1·58	8·4	—	—	36·6	—	—	—	—	—	—	—	—	—
B	23	—	—	—	—	—	12·6	—	—	—	—	—	—	—	—	—
A_1	—	−1	1·58	91·7	12·2	3·4	13·5	22·5	60·6	F	—	—	—	—	—	—
A_2	—	−1	1·58	8·3	—	—	34·9	—	—	—	—	—	—	—	—	—
A	44	—	—	—	—	—	15·3	—	—	—	53·5	7·4	86·3	11·0	F	F

BOORGAT 94 : MINNASVLAKTE 716 : BOREHOLE 94

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sand en verweerde materiaal	85	0	85	0	Sand and weathered material.
Moddersteen; boonste 10 voet is liggeel en verweer, res is vaalblou.	177	9	262	9	Mudstone; top 10 feet is light-yellow and weathered, rest is greyish blue.
Skalie, donkerblou	1	8	264	5	Shale, dark-blue.
Glanskool, gelaag; boonste 2 dm. is minderwaardig; meer glansend na onder; effens piriethoudend.	1	0	—		**Coal,** bright, banded; top 2 in. is inferior; brighter towards bottom; slightly pyritic.
Skalie, vaal tot vaalswart	5	8½	—		Shale, grey to greyish black.
Glanskool; hoofsaaklik fyngelaag.	1	1	—		**Coal,** bright; mainly finely banded.
Skalie, swart		6½	—		Shale, black.
Glanskool; hoofsaaklik fyngelaag.		10	—		**Coal,** bright; mainly finely banded.
Skalie en steenkool		2	—		Shale and coal.
Skalie; boonste twee-derdes vaal.	3	0	—		Shale; top two thirds grey.
Glanskool, gelaag		7	—		**Coal,** bright, banded.
Glanskool, gelaag, skalieagtig		7	277	11	**Coal,** bright, banded, shaly.
Skalie, met vier 2-dm. tot 6-dm. steenkoollae.	4	6	282	5	Shale, with four 2-in. to 6-in. coal bands.
Glanskool, gelaag	1	9	—		**Coal,** bright, banded.
Skalie, vaal tot swart		4	—		Shale, grey to black.
Glanskool, gelaag, plek-plek fyngelaag.		6	—		**Coal,** bright, banded, finely banded in parts.
Skalie, vaal en swart		5	—		Shale, grey to black.
Glanskool, gelaag; onderste 3 dm. skalieagtig.		11	—		**Coal,** bright, banded, shaly in bottom 3 in.
Skalie, vaal tot swart		5	—		Shale, grey to black.
Glanskool, gelaag, skalieagtig veral in onderste 2 dm.	1	6	288	3	**Coal,** bright, banded, shaly especially over bottom 2 in.
Skalie, donkervaal in boonste twee-derdes.	3	4	—		Shale, dark-grey in top two thirds.
Skalielae, vaal tot swart, vanaf 6 dm. tot 12 dm. dik, en 6-dm. tot 12-dm. lae gelaagde glanskool, om die beurt.	14	8	306	3	Shale bands, grey to black, from 6 in. to 12 in. thick, alternating with 6-in. to 12-in. bands of banded bright coal.
Steenkool; hoofsaaklik gelaagde glanskool; plek-plek fyngelaag, met enkele skalielagies; onderste 6 dm. is effens piriethoudend.	3	0	—		**Coal;** mainly banded bright coal; finely banded in parts, with occasional shale bands; bottom 6 in. is slightly pyritic.
Skalie en gelaagde glanskool, met enkele swart skalielae.	10	3	—		Shale and banded bright coal, with occasional black shale bands.
Glanskool, gelaag, effens piriethoudend.		9	—		**Coal,** bright, banded, slightly pyritic.
Fusiet, met skalie en kalsiet		2	—		Fusain, with shale and calcite.
Glanskool, gelaag, plek-plek skalieagtig.	2	7	—		**Coal,** bright, banded, shaly in parts.
Skalie en gelaagde glanskool		2	—		Shale and banded bright coal.
Skalie, vaal tot swart		5	—		Shale, grey to black.
Skalie en gelaagde glanskool; piriethoudend.	1	7	—		Shale and banded bright coal; pyritic.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Steenkool; hoofsaaklik gelaagde glanskool; skalieagtig en piriethoudend in onderste 3 dm.		11	—		**Coal;** mainly banded bright coal; shaly and pyritic in bottom 3 in.
Skalie, met 'n 11-dm. glanskoollaag 2 vt. van bo af.	7	8	—		Shale, with an 11-in. bright coal band 2 ft. from top.
Glanskool, gelaag, plek-plek fyngelaag; skalieagtig en piriethoudend in onderste 6 dm.	1	6	335	3	**Coal,** bright, banded, finely banded in parts; shaly and pyritic in bottom 6 in.
Skalie, donkervaal en swart ...	3	0	338	3	Shale, dark-grey and black.
Glanskool, gelaag, skalieagtig ...	1	0	—		**Coal,** bright, banded, shaly.
Skalie, koolstofhoudend		4	—		Shale, carbonaceous.
Glanskool, gelaag, effens sideriet- en kalsiethoudend.		11	—		**Coal,** bright, banded, slightly sideritic and calcitic.
Skalie, koolstofhoudend		7	—		Shale, carbonaceous.
Glanskool, gelaag, skalieagtig, sideriet-, kalsiet- en piriethoudend.	1	9	—		**Coal,** bright, banded, shaly, sideritic, calcitic and pyritic.
Skalie, swart, met 'n glyvlak by bo-ent.	8	8	351	6	Shale, black, with a slip plane at top.
Steenkool; hoofsaaklik gelaagde glanskool, met enkele skalielagies.	1	2	—		**Coal;** mainly banded bright coal, with occasional shale bands.
Skalie, met drie 1-dm. tot 6-dm. steenkoollagies.	4	0	—		Shale, with three 1-in. to 6-in. coal bands.
Glanskool, gelaag, erg skalieagtig.		8	—		**Coal,** bright, banded, very shaly.
Skalie, koolstofhoudend		3	—		Shale, carbonaceous.
Glanskool, gelaag, plek-plek pikagtig; effens piriethoudend; skalieagtig in boonste 6 dm.	2	1	359	8	**Coal,** bright, banded, pitch-like in parts; slightly pyritic; shaly in top 6 in.
Skalie, met twee 4-dm. tot 6-dm. steenkoollagies.	3	11	—		Shale, with two 4-in. to 6-in. coal bands.
Glanskool, gelaag	1	0	—		**Coal,** bright, banded.
Skalie en steenkool	4	8	—		Shale and coal.
Skalielae, vaal tot swart, en skalieagtige, gelaagde glanskoollae, om die beurt; plek-plek sideriethoudend.	16	0	—		Shale bands, grey to black, alternating with shaly, banded bright coal bands; sideritic in parts.
Skalie en steenkool; hoofsaaklik skalie.	6	11	—		Shale and coal; mainly shale.
Skalie en steenkool; sideriethoudend.	4	0	—		Shale and coal; sideritic.
Skalie, met enkele dun steenkoollagies.	5	1	401	3	Shale, with occasional thin coal bands.
Glanskool, gelaag, met enkele skalielae.	1	0	—		**Coal,** bright, banded, with a few shale bands.
Skalie, vaal tot swart		2¼	—		Shale, grey to black.
Glanskool, gelaag, skalieagtig ...		7½	—		**Coal,** bright, banded, shaly.
Skalie, vaal tot swart		8	—		Shale, grey to black.
Glanskool, gelaag, skalieagtig en effens piriethoudend.	1	8	405	5	**Coal,** bright, banded, shaly and slightly pyritic.
Skalielae, vaal tot swart, en skalieagtige, sideriethoudende, gelaagde glanskoollae, om die beurt.	7	7	—		Shale bands, grey to black, alternating with shaly, sideritic, banded bright coal bands.
Skalie, swart, met steenkoolstrepies en baie glyvlakke.	1	4	—		Shale, black, with coal stringers and many slip planes.
Skalie, swart, met heelwat 1-dm. tot 7-dm. steenkoollagies, baie waarvan sideriethoudend is.	71	0	—		Shale, black, with a good many 1-in. to 7-in. coal bands, many which are sideritic.

Bg. 94 (*Verv.*) B.H. 94 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, koolstofhoudend, swaar skalieagtige matkool met enkele matkoollagies, en steenkoolagtige skalie; glyvlakke kom voor 6 vt. van bo af, en anderste 6 vt. bevat verspreide kwartskorrels.	31	4	516	8	Shale, carbonaceous, heavy, shaly dull coal, with a few dull coal bands, and coaly shale; slip planes appear 6 ft. from top, and bottom 6 ft. contains scattered quartz grains.
Matkool, skalieagtig, met glyvlakke.		10	—		**Coal,** dull, shaly, with slip planes.
Glanskool, gelaag, vol glyvlakke.		8	—		**Coal,** bright, banded, full of slip planes.
Matkool, skalieagtig	4	10	523	0	**Coal,** dull, shaly.
Skalie, vaal, sanderig	1	6	—		Shale, grey, sandy.
Sandsteen, vaal, skalieagtig ...		7	—		Sandstone, grey, shaly.
Sandsteen, fyn- tot middelkorrelrig, vuilvaal tot vuilwit, effens gelaag en mikadraend.	8	1	—		Sandstone, fine- to medium-grained, dirty grey to dirty white, slightly laminated and micaceous.
Sandsteen, vaal, skalieagtig ...		6	533	8	Sandstone, grey, shaly.
Moddersteen, ligbruin, fossieldraend.	1	5	—		Mudstone, light-brown, fossiliferous.
Skalie en steenkool, met baie sideriet.	1	7	—		Shale and coal, with much siderite.
Skalie, vaal tot vaalbruin ...	2	7	—		Shale, grey to greyish brown.
Skalie, met 'n bietjie matkool, en steenkoolagtige skalie; glyvlakke kom voor 18 dm. van onder af.	9	9	549	0	Shale, with a little dull coal, and coaly shale; slip planes appear 18 in. from bottom.
Skalie, steenkoolagtig, en skalieagtige matkool, met baie min glanskoollagies en baie pirietknolle.	17	11	566	11	Shale, coaly, and shaly dull coal, with very few coal bands and many pyrite nodules.
Skalie, steenkoolagtig, en swart skalie.	6	1	—		Shale, coaly, and black shale.
Skalie, vaal tot vaalbruin ...		7	—		Shale, grey to greyish brown.
Sandsteen, vaal tot donkervaal, fynkorrelrig.	4	0	—		Sandstone, grey to dark-grey, fine-grained.
Moddersteen, donkervaal, sanderig; onderste 14 dm. vorm oorgang na sandsteen.	3	11	—		Mudstone, dark-grey, sandy; bottom 14 in. forms transition to sandstone.
Sandsteen, fynkorrelrig, gelaag, erg mikadraend, vaal tot vaalbruin.	6	0	—		Sandstone, fine-grained, laminated, very micaceous, grey to greyish brown.
Sandsteen, vuilwit en wit, massief, veldspaties; onderste 16 vt. fynkorrelrig en res is fyn- tot grofkorrelrig en plek-plek grintagtig.	50	4	637	10	Sandstone, dirty white to white, massive, felspathic; bottom 16 ft. fine-grained and remainder is fine- to coarse-grained and gritty in places.
Matkool, effens glansend; boonste 4 dm. is minderwaardig en piriethoudend; bevat dun glanskoollagies.	1	4	—		**Coal,** dull, with a slight lustre; top 4 in. is inferior and pyritic; contains thin bright coal bands.
Steenkool; hoofsaaklik matkool, met vitrietlagies in onderste 12 dm. en 'n 4-dm. kalsiethoudende, skalieagtige laag 13 dm. van onder af; plek-plek piriethoudend by bo-ent.	3	2	642	4	**Coal;** mainly dull coal, with vitrain bands in bottom 12 in. and a 4-in. calcitic, shaly band 13 in. from bottom; pyritic in places at top.
Sandsteen, fynkorrelrig, gelaag, effens mikadraend, vaal tot vaalswart en vuilwit, met twee dun steenkoollagies naby bo-ent.	11	9	—		Sandstone, fine-grained, laminated, slightly micaceous, grey to greyish black and dirty white, with two thin coal bands near top.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Sandsteenlagies en steenkoollagies om die beurt.	2 0	656 1	Sandstone bands alternating with coal bands.
Steenkool, gemeng, plek-plek piriethoudend, met 6 dm. koolstofhoudende skalie 19 dm. van bo af; onderste 20 dm. is meer glansend.	4 2	—	**Coal,** mixed, pyritic in places, with 6 in. carbonaceous shale 19 in. from top; bottom 20 in. is brighter.
Matkool, skalieagtig	1 9	—	**Coal,** dull, shaly.
Steenkool, gemeng, plek-plek skalieagtig; piriethoudend in middel.	1 10	—	**Coal,** mixed, shaly in parts; pyritic in middle.
Skalie, koolstofhoudend, en skalieagtige steenkool.	1 0	—	Shale, carbonaceous, and shaly coal.
Steenkool, gemeng, piriethoudend, met enkele dun skalielagies en 'n 6-dm. piriet- en sideriethoudende laag 6 dm. van onder af.	2 7	—	**Coal,** mixed, pyritic, with occasional thin shale bands and a 6-in. pyritic and sideritic band 6 in. from bottom.
Glanskool, gelaag, met vitrietlagies tot ¾ dm. dikte.	11	668 4	**Coal,** bright, banded, with vitrain bands up to ¾ in. thickness.
Sandsteen, fynkorrelrig, gelaag, vaal en vuilwit, plek-plek effens mikadraend, met 1 dm. glanskool 5 vt. 7 dm. van bo af.	14 9	—	Sandstone, fine-grained, laminated, grey and dirty white, slightly micaceous in places, with 1 in. bright coal 5 ft. 7 in. from top.
Skalie, swart, sanderig veral in boonste deel, met baie middelkorrelrige sandsteenlagies en -strepies.	5 3	—	Shale, black, sandy especially in top portion, with many medium-grained sandstone bands and stringers.
Sandsteen, swart, met skalieagtige deeltjies.	11	—	Sandstone, black, with shaly portions.
Sandsteen, middelkorrelrig, effens veldspaties, grys.	3 0	692 3	Sandstone, medium-grained, slightly felspathic, grey.
Matkool, effens glansend, met 'n 10-dm. erg piriethoudende deel (met 'n glyvlak) 16 dm. van onder af.	5 0	—	**Coal,** dull, slightly lustrous, with a 10-in. very pyritic portion (with a slip plane) 16 in. from base.
Glanskool, dungelaag	8	697 11	**Coal,** bright, thinly banded.
Sandsteen, swart, skalieagtig ...	9	—	Sandstone, black, shaly.
Sandsteen, fynkorrelrig, gelaag, vaal, donkervaal en vaalbruin, mikadraend.	5 2	703 11	Sandstone, fine-grained, laminated, grey, dark-grey and greyish brown, micaceous.

BOORGAT 94 : MINNASVLAKTE 716 : BOREHOLE 94

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
R 183	N.G.	20	264 5	N.S.
D	**Glanskool, gelaag;** boonste 2 dm. is minderwaardig; meer glansend na onder; effens piriethoudend.	12	—	**Coal, bright, banded;** top 2 in. is inferior; brighter towards bottom; slightly pyritic.
	N.G.	68½	—	N.S.
C	**Glanskool;** hoofsaaklik fyngelaag.	13	—	**Coal, bright;** mainly finely banded.
	N.G.	6½	—	N.S.
B	**Glanskool;** hoofsaaklik fyngelaag.	10	—	**Coal, bright;** mainly finely banded.
	N.G.	38	—	N.S.
A	**Glanskool, gelaag;** onderste helfte skalieagtig.	14	277 11	**Coal, bright, banded;** bottom half shaly.
R 184	N.G.	54	282 5	N.S.
D	**Glanskool, gelaag** ...	21	—	**Coal, bright, banded.**
	N.G.	4	—	N.S.
C	**Glanskool, gelaag,** plek-plek fyngelaag.	6	—	**Coal, bright, banded,** finely banded in parts.
	N.G.	5	—	N.S.
B	**Glanskool, gelaag;** onderste 3 dm. skalieagtig.	11	—	**Coal, bright, banded;** bottom 3 in. shaly.
	N.G.	5	—	N.S.
A	**Glanskool, gelaag,** skalieagtig veral in onderste 2 dm.	18	288 3	**Coal, bright, banded,** shaly especially in bottom 2 in.
R 185	N.G.	176	306 3	N.S.
D	**Steenkool;** hoofsaaklik gelaagde glanskool; plek-plek fyngelaag, met enkele skalielagies; onderste 6 dm. is effens piriethoudend.	36	—	**Coal;** mainly banded bright coal; finely banded in places, with occasional shale bands; bottom 6 in. is slightly pyritic.
	N.G.	123	—	N.S.
C	**Glanskool, gelaag,** effens piriethoudend.	9	—	**Coal, bright, banded,** slightly pyritic.
	Fusiet, met skalie en kalsiet.	2	—	**Fusain,** with shale and calcite.
	Glanskool, gelaag, plek-plek skalieagtig.	31	—	**Coal, bright, banded,** shaly in parts.
	N.G.	26	—	N.S.
B	**Steenkool;** hoofsaaklik gelaagde glanskool; skalieagtig en piriethoudend in onderste 3 dm.	11	—	**Coal ;** mainly banded, bright coal; shaly and pyritic in bottom 3 in.
	N.G.	92	—	N.S.
A	**Glanskool, gelaag,** plek-plek fyngelaag; skalieagtig en piriethoudend in onderste 6 dm.	18	335 3	**Coal, bright, banded,** finely banded in places; shaly and pyritic in bottom 6 in.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
R 186	N.G.	36	338 3	N.S.
C	**Glanskool,** gelaag, skalieagtig.	12	—	**Coal,** bright, banded, shaly.
	N.G.	4	—	N.S.
	Glanskool, gelaag, effens sideriet- en kalsiethoudend.	11	—	**Coal,** bright, banded, slightly sideritic and calcitic.
	N.G.	7	—	N.S.
	Glanskool, gelaag, skalieagtig, sideriet-, kalsiet- en piriethoudend.	21	—	**Coal,** bright, banded, shaly, sideritic, calcitic and pyritic.
	N.G.	104	—	N.S.
B	**Steenkool;** hoofsaaklik gelaagde glanskool met enkele skalielagies.	14	—	**Coal;** mainly banded bright coal with occasional shale bands.
	N.G.	59	—	N.S.
A	**Glanskool,** gelaag, plek-plek pikagtig; effens piriethoudend; skalieagtig in boonste 6 dm.	25	359 8	**Coal,** bright, banded, pitch-like in parts; slightly pyritic; shaly in top 6 in.
R 187	N.G.	61	401 3	N.S.
B	**Glanskool,** gelaag, met enkele swart skalielae.	12	—	**Coal,** bright, banded, with occasional black shale bands.
	N.G.	2½	—	N.S.
	Glanskool, gelaag, skalieagtig.	7½	—	**Coal,** bright, banded, shaly.
	N.G.	8	—	N.S.
A	**Glanskool,** gelaag, skalieagtig en effens piriethoudend.	20	405 5	**Coal,** bright, banded, shaly and slightly pyritic.
R 252	N.G.	604	637 10	N.S.
B	**Matkool,** effens glansend; boonste 4 dm. is minderwaardig en piriethoudend; bevat dun glanskoollagies.	16	—	**Coal,** dull, with a slight lustre; top 4 in. is inferior and pyritic; contains thin bright coal bands.
A	**Steenkool;** hoofsaaklik matkool, met vitrietlagies in onderste 12 dm. en 'n 4-dm. kalsiethoudende, skalieagtige laag 13 dm. van onder af; plek-plek piriethoudend by bo-ent.	38	642 4	**Coal;** mainly dull coal, with vitrain bands in bottom 12 in. and a 4-in. calcitic, shaly band 13 in. from bottom; pyritic in places at top.
R 253	N.G.	24	656 1	N.S.
C	**Steenkool,** gemeng, plek-plek piriethoudend, met 6 dm. koolstofhoudende skalie 19 dm. van bo af; onderste 20 dm. is meer glansend.	50	—	**Coal,** mixed, pyritic in places, with 6 in. carbonaceous shale 19 in. from top; bottom 20 in. is brighter.
	N.G.	21	—	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
B	**Steenkool,** gemeng, plek-plek skalieagtig; piriethoudend in middel.	22	—	**Coal,** mixed, shaly in parts; pyritic in middle.
	N.G.	12	—	N.S.
A	**Steenkool,** gemeng, piriethoudend, met enkele dun skalielagies en 'n 6-dm. piriet- en sideriethoudende laag 6 dm. van onder af.	31	—	**Coal,** mixed, pyritic, with occasional thin shale bands and a 6-in. pyritic and sideritic band 6 in. from bottom.
	Glanskool, gelaag, met vitrietlagies tot ¾ dm. dikte.	11	668 4	**Coal,** bright, banded, with vitrain bands up to ¾ in. thickness.
R 254	N.G.	36	692 3	N.S.
A	**Matkool,** effens glansend, met 'n 10-dm. erg piriethoudende deel (met 'n glyvlak) 16 dm. van onder af.	60	—	**Coal,** dull, slightly lustrous, with a 10-in. very pyritic portion (with a slip plane) 16 in. from base.
	Glanskool, dungelaag.	8	697 11	**Coal,** bright, thinly banded.

BOORGAT 94 : MINNASVLAKTE 716 : BOREHOLE 94

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
		Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
											Opbrengs Yield %	As Ash %	Opbrengs Yield %	As Ash %	Dryfsel Float 1·45	Dryfsel Float 1·58
R 183 D	12	—	—	—	—	2·9	30·5	31·6	35·0	1	46·2	10·4	63·7	15·9	4	4
C	13	—	—	—	—	2·6	36·1	27·2	34·1	1	21·3	11·0	54·0	17·8	3½	2½
B	10	—	—	—	10·7	3·0	23·5	31·8	41·7	1½	56·9	9·0	88·4	19·0	3	2½
A	14	—	—	—	10·4	2·7	24·6	34·0	38·7	2½	53·1	8·9	73·4	14·7	5	4
R 184 D	21	—	—	—	—	3·4	19·9	31·8	44·9	2½	64·3	8·6	82·3	14·0	2½	2½
C	6	—	—	—	—	2·9	20·7	33·0	43·4	3	60·1	11·4	91·3	17·9	3½	3½
B	11	—	—	—	—	2·8	21·8	33·5	41·9	3½	52·4	10·7	83·6	16·2	3½	3½
A	18	—	—	—	—	3·0	20·4	33·7	42·9	3	63·8	10·3	84·5	14·9	4	3½
R 185 D_1	—	−1	1·45	79·4	12·1	3·2	15·0	34·4	47·4	2½	—	—	—	—	—	—
D_2	—	−1	1·45	20·6	—	2·7	28·9	29·8	38·6	—	—	—	—	—	—	—
D	36	—	—	—	—	—	17·9	—	—	—	68·3	8·0	86·0	12·5	3½	3½
C	42	—	—	—	—	2·7	28·2	29·7	39·4	1½	36·4	7·9	59·8	14·9	2½	2
B	11	—	—	—	—	3·1	24·9	30·3	41·7	1½	47·4	6·1	64·9	11·6	3	2
A	18	—	—	—	—	2·9	26·5	31·8	38·8	2	41·2	9·4	70·5	17·0	2½	2½
R 186 C	55	—	—	—	—	2·8	28·6	31·9	46·7	3	42·2	9·2	64·7	16·2	3½	3½
B	14	—	—	—	—	3·1	20·4	32·2	44·3	3½	72·8	14·3	86·5	16·4	3½	3½
A_1	—	−1	1·45	54·8	12·4	3·4	12·0	34·1	50·5	3½	—	—	—	—	—	—
A_2	—	−1	1·45	45·2	—	2·6	31·9	32·2	33·3	—	—	—	—	—	—	—
A	25	—	—	—	—	—	22·9	—	—	—	59·0	7·9	78·0	13·8	3	1½
R 187 B	22	—	—	—	—	2·6	31·6	28·5	37·3	2	31·1	6·7	57·4	12·1	3	3
A	20	—	—	—	—	2·7	23·2	32·1	42·0	2	50·3	7·5	71·7	12·9	3	3
R 252 B	16	—	—	—	—	2·2	27·7	17·8	52·3	F	17·6	7·5	48·5	14·6	—	P
A_1	—	−2	1·58	77·5	12·0	3·0	15·5	23·7	57·8	F	—	—	—	—	—	—
A_2	—	−2	1·58	22·5	—	—	41·5	—	—	—	—	—	—	—	—	—
A	38	—	—	—	—	—	21·4	—	—	—	45·0	7·2	71·2	11·7	F	P

Bg. 91 (*Verv.*) B.H. 94 (*Contd.*)

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45 Op-brengs Yield %	Dryfsel, 1·45 Float, 1·45 As Ash %	Dryfsel, 1·58 Float, 1·58 Op-brengs Yield %	Dryfsel, 1·58 Float, 1·58 As Ash %	Sw.-syfer Swelling number Dryfsel Float 1·45	Sw.-syfer Swelling number Dryfsel Float 1·58
R 253 C_1	—	−2	1·58	39·7	11·7	2·2	17·7	27·4	52·7	1½	—	—	—	—	—	—
C_2	—	−2	1·58	60·3	—	—	51·2	—	—	—	—	—	—	—	—	—
C	50	—	—	—	—	—	37·9	—	—	—	25·7	7·9	33·8	12·8	3½	1Ag
B_1	—	−2	1·58	52·9	11·6	2·4	18·0	23·6	56·0	F	—	—	—	—	—	—
B_2	—	−2	1·58	47·1	—	—	44·4	—	—	—	—	—	—	—	—	—
B	22	—	—	—	—	—	30·4	—	—	—	26·2	6·7	47·4	12·4	1½	1½Ag
A_1	—	−2	1·58	62·5	12·4	2·7	13·5	28·0	55·8	1½	—	—	—	—	—	—
A_2	—	−2	1·58	37·5	—	—	45·2	—	—	—	—	—	—	—	—	—
A	42	—	—	—	—	—	25·4	—	—	—	44·1	6·6	58·5	11·1	1½Ag	1Ag
R 254 A_1	—	−2	1·58	90·0	12·1	2·6	14·9	22·7	59·8	F	—	—	—	—	—	—
A_2	—	−2	1·58	10·0	—	—	40·0	—	—	—	—	—	—	—	—	—
A	68	—	—	—	—	—	17·4	—	—	—	48·0	8·1	80·6	11·7	1Ag	F

BOORGAT 95 : HOOIKRAAL 721 : BOREHOLE 95

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sand	2	0	2	0	Sand.
Ouklip	5	0	7	0	Laterite.
Moddersteen (stampboor) ...	114	0	—		Mudstone (jumper drill).
Moddersteen, vaal tot donkervaal.	32	3	153	10	Mudstone, grey to dark-grey.
Skalie, vaal tot swart, met enkele steenkoollagies naby boent.	9	10	163	8	Shale, grey to black, with a few coal bands near top.
Glanskool, fyngelaag, skalieagtig, met 4 dm. vaal skalie in middel.	2	9	—		Coal, bright, finely banded, shaly, with 4 in. grey shale in middle.
Skalie, ligvaal	2	9	—		Shale, light-grey.
Skalie, koolstofhoudend		4	—		Shale, carbonaceous.
Glanskool, gelaag	1	5	—		Coal, bright, banded.
Skalielae, vaal tot swart, en glanskoollae, om die beurt.	6	3	—		Shale bands, grey to black, alternating with bright coal bands.
Glanskool, gelaag; plek-plek fyngelaag en pikagtig; kalsiethoudend.	1	2	—		Coal, bright, banded; finely banded and pitch-like in parts; calcitic.
Skalie, koolstofhoudend, met 'n bietjie glanskool.		10	—		Shale, carbonaceous, with a little bright coal.
Glanskool, gelaag, kalsiethoudend.	1	0	—		Coal, bright, banded, calcitic.
Skalie, koolstofhoudend		4	—		Shale, carbonaceous.
Glanskool, gelaag	1	4	—		Coal, bright, banded.
Skalie, koolstofhoudend		6	—		Shale, carbonaceous.
Glanskool, gelaag, kalsiethoudend.	2	11	—		Coal, bright, banded, calcitic.
Skalie, met 'n bietjie glanskool		11	—		Shale, with a little bright coal.
Glanskool, gelaag, plek-plek pikagtig; skalieagtig en kalsiethoudend.		10	187	0	Coal, bright, banded, pitch-like in parts; shaly and calcitic.
Skalie en piriet		9	—		Shale and pyrite.
Skalie, vaal en swart, met 'n 12-dm. skalieagtige steenkoollaag.	5	8	—		Shale, grey and black, with a 12-in. shaly coal band.
Skalie en steenkool	1	4	—		Shale and coal.
Skalie, swart	1	3	196	0	Shale, black.
Glanskool, gelaag, kalsiethoudend.	1	0	—		Coal, bright; banded, calcitic.
Skalie, swart	1	6	—		Shale, black.
Glanskool, gelaag, en skalie ...	1	1	—		Coal, bright, banded, and shale.
Glanskool, gelaag	4	11	204	6	Coal, bright, banded.
Skalie, koolstofhoudend	1	4	205	10	Shale, carbonaceous.
Steenkool en skalie; hoofsaaklik gelaagde glanskool; verswak na bo; kalsiethoudend, met 'n glyvlak by onderent.	6	8	—		Coal and shale; mainly banded bright coal; deteriorates towards top; calcitic, with a slip plane at bottom.
Glanskool, gelaag, skalieagtig en kalsiethoudend.	2	5	—		Coal, bright, banded, shaly and calcitic.
Glanskool, gelaag, plek-plek pikagtig, met 2 dm. vaal tot swart skalie in middel; kalsiethoudend.	2	6	—		Coal, bright, banded, pitch-like in parts, with 2 in. grey to black shale in middle; calcitic.
Glanskool, gelaag, skalieagtig ...		5	—		Coal, bright, banded, shaly.
Glanskool, gelaag, plek-plek pikagtig.	1	0	—		Coal, bright, banded, pitch-like in parts.
Skalie en steenkool; gemeng ...		5	—		Shale and coal; mixed.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, swart, met 'n paar steenkoollagies.	5	5	—		Shale, black, with a few coal bands.
Glanskool, gelaag, skalieagtig en kalsiethoudend, met 3 dm. vaalswart skalie 20 dm. van bo af.	7	4	232	0	**Coal,** bright, banded, shaly and calcitic, with 3 in. greyish black shale 20 in. from top.
Skalie en steenkool		3	—		Shale and coal.
Skalie, swart, met 'n paar dun steenkoollagies.	3	0	—		Shale, black, with a few thin coal bands.
Skalie en gelaagde, sideriethoudende glanskool.	1	0	—		Shale and banded, sideritic, bright coal.
Skalie, swart, met 'n paar steenkoolstrepies.	2	10	—		Shale, black, with a few coal stringers.
Skalie, ligbruin	3	8	—		Shale, light-brown.
Skalie, swart, met enkele dun steenkoollagies.	7	3	—		Shale, black, with occasional thin coal bands.
Skalie en gelaagde glanskool, met 'n glyvlak by bo-ent; hoofsaaklik skalie.	14	10	264	10	Shale and banded bright coal, with a slip plane at top; mainly shale.
Glanskool, gelaag, pirietthoudend.	1	2	266	0	**Coal,** bright, banded, pyritic.
Skalie, met 'n paar dun steenkoollagies.	2	4	—		Shale, with a few thin coal bands.
Skalie en gelaagde glanskool ...	4	8	—		Shale and banded, bright coal.
Skalie, met 'n paar dun steenkoollagies.	1	10	—		Shale, with a few thin shale bands.
Glanskool, erg skalieagtig ...	3	8	—		**Coal,** bright, very shaly.
Skalie en steenkool	2	3	—		Shale and coal.
Skalie, met agt 1-dm. tot 3-dm. sideriethoudende steenkoollagies.	10	2	—		Shale, with eight 1-in. to 3-in. sideritic coal bands.
Glanskool, gelaag, skalieagtig en piriethoudend.		9	—		**Coal,** bright, banded, shaly and pyritic.
Skalie, met 'n paar steenkoollagies.	1	2	—		Shale, with a few coal bands.
Glanskool, gelaag, skalieagtig ...		9	—		**Coal,** bright, banded, shaly.
Skalie, met vier 1-dm. tot 5-dm. steenkoollagies.	2	8	—		Shale, with four 1-in. to 5-in. coal bands.
Skalie en steenkool	1	2	—		Shale and coal.
Skalie		9	—		Shale.
Glanskool, gelaag, erg skalieagtig.	1	10	—		**Coal,** bright, banded, very shaly.
Skalie, met vier 1-dm. tot 4-dm. steenkoollagies.	3	3	—		Shale, with four 1-in. to 4-in. coal bands.
Glanskool, gelaag, skalieagtig	1	6	—		**Coal,** bright, banded, shaly.
Skalie en steenkool		6	—		Shale and coal.
Glanskool, gelaag, skalieagtig ...		8	—		**Coal,** bright, banded, shaly.
Skalie		9	—		Shale.
Glanskool, gelaag, skalieagtig ...	1	9	—		**Coal,** bright, banded, shaly.
Skalie en steenkool	3	0	—		Shale and coal.
Skalie, met sewe 1-dm. tot 3-dm. steenkoollagies.	9	2	—		Shale, with seven 1-in. to 3-in. coal bands.
Glanskool, gelaag, skalieagtig en sideriethoudend.	1	3	—		**Coal,** bright, banded, shaly and sideritic.
Skalie, met baie dun steenkoollagies.	2	3	—		Shale, with many thin coal bands.
Glanskool, gelaag, skalieagtig, en skalie.	2	3	326	4	**Coal,** bright, banded, shaly, and shale.
Skalie, met nege 1-dm. tot 3-dm. steenkoollagies.	11	7	—		Shale, with nine 1-in. to 3-in. coal bands.
Skalie, ligbruin	3	0	—		Shale, light-brown.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Skalie, met twee-en-twintig 1-dm. tot 6-dm. steenkoollagies.	35 4	—	Shale, with twenty-two 1-in. to 6-in. coal bands.
Skalie, koolstofhoudend, skalieagtige steenkool en steenkoolagtige skalie, met enkele dun steenkoollagies; die onderste 12 dm. skalieagtige steenkool is opgebrokkel deur glyvlakke.	17 5	393 8	Shale, carbonaceous, shaly coal and coaly shale, with occasional thin coal bands; the bottom 12 in. shaly coal is fractured by slip planes.
Matkool, skalieagtig, met enkele glanskoollae.	6 4	—	**Coal,** dull, shaly, with occasional bright coal bands.
Skalie, sanderig	4	400 4	Shale, sandy.
Matkoollae, skalieagtig, en glanskoollae, om die beurt; piriethoudend met boonste helfte sideriethoudend.	4 2	—	**Coal;** dull, shaly bands, alternating with bands of bright coal; pyritic with top half sideritic.
Skalie, koolstofhoudend, met heelwat skalieagtige matkoollae en steenkoolagtige skalielae; bevat 'n paar glanskoollagies.	30 4	434 10	Shale, carbonaceous, with a good many shaly, dull coal bands and coaly shale; contains a few bright coal bands.
Skalie, ligbruin, plek-plek donkerkleurig.	8 3	—	Shale, light-brown, dark-coloured in places.
Skalie, koolstofhoudend, en steenkoolagtige skalie.	2 10	—	Shale, carbonaceous, and coaly shale.
Skalie, ligbruin	7	—	Shale, light-brown.
Skalie, swart	1 3	—	Shale, black.
Skalie, ligbruin, kleiagtig; onderste 8 dm. totaal opgebrokkel deur glyvlakke.	5 1	—	Shale, light-brown, clayey; bottom 8 in. totally fractured by slip planes.
Skalie, steenkoolagtig, en skalieagtige matkool.	1 8	—	Shale, coaly, and shaly dull coal.
Matkool, minderwaardig, sideriethoudend.	7	455 1	**Coal,** dull, inferior, sideritic.
Matkool, plek-plek glansend, met enkele pirietknolle.	5 4	—	**Coal,** dull, lustrous in parts, with occasional pyrite nodules.
Matkool hoofsaaklik, met enkele pirietknolle.	3 0	—	**Coal;** mainly dull coal, with occasional pyrite nodules.
Steenkool, gemeng, meer glansend na onder; 2 dm. piriethoudende sandsteen 10 dm. van onder af.	4 2	467 7	**Coal,** mixed, brighter towards bottom; 2 in. pyritic sandstone 10 in. from bottom.
Sandsteen, fyngelaag, kruisgelaag, mikadraend, vaal, vaalbruin en vuilwit.	12 6	—	Sandstone, finely laminated, cross-bedded, micaceous, grey, greyish brown and dirty white.
Sandsteen, erg fynkorrelrig, skalieagtig na onder, gelaag, vaal tot vaalswart, met heelwat veldspatiese, middelkorrelrige lagies.	5 2	485 3	Sandstone, very fine-grained, shaly towards bottom, laminated, grey to greyish black, with a good many felspathic, medium-grained bands.
Steenkool, gemeng, met vier 1-dm. tot 2-dm. sandsteenlagies.	2 6	487 9	**Coal,** mixed, with four 1-in. to 2-in. sandstone bands.
Steenkool; hoofsaaklik matkool in boonste helfte en gemengde steenkool in onderste helfte; enkele pirietknolle kom voor en 1 dm. moddersteen in middel; glyvlakke in onderste paar duim.	10 1	497 10	**Coal;** mainly dull coal in top half and mixed coal in bottom half; occasional pyrite nodules appear and 1 in. mudstone in middle; slip planes in bottom few inches.

Bg. 95 (*Verv.*) B.H. 95 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Sandsteen, fynkorrelrig, mikadraend, gelaag, donkerkleurig.	1 0	—	Sandstone, fine-grained, micaceous, laminated, dark-coloured.
Sandsteen, gelaag, fynkorrelrig plek-plek middelkorrelrig, mikadraend; boonste deel witvaal en vaal, en onderste deel vaal en vaalbruin; glyvlakke kom voor in middel.	22 10	—	Sandstone, laminated, fine-grained, medium-grained in parts, micaceous; top portion whitish grey and grey, and bottom portion grey and greyish brown; slip planes appear in middle.
Sandsteen; afwisselende lagies wit, vaalwit en vuilwit, fyn- tot grofkorrelrige, veldspatiese sandsteen, en fynkorrelrige, donkervaal tot swart, gelaagde sandsteenlagies; onderste vier voet is swart en skalieagtig; alle lagies is golfvormig gelaag.	24 8	546 4	Sandstone; alternating bands of white, greyish white and dirty white, fine- to coarse-grained, felspathic sandstone bands; bottom four feet is black and shaly; all bands occur in wavy layer fashion.
Steenkool; hoofsaaklik matkool in boonste helfte en hoofsaaklik glanskool in onderste helfte; glyvlakke in middel.	2 6	548 10	**Coal;** mainly dull coal in top half and mainly bright coal in bottom half; slip plane in middle.
Sandsteen, fynkorrelrig, fyngelaag, mikadraend, swart, vaal en vuilwit, met 1 dm. matkool in middel.	5 8	554 6	Sandstone, fine-grained, finely laminated, micaceous, black, grey and dirty white, with 1 in. dull coal in middle.

BOORGAT 95 : HOOIKRAAL 721 : BOREHOLE 95

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
R 175	N.G.	118	163 8	N.S.
F	**Glanskool,** fyngelaag, skalieagtig, met 4 dm. vaal skalie in middel uitgesluit.	33	—	**Coal,** bright, finely banded, shaly, with 4 in. grey shale in middle excluded.
	N.G.	37	—	N.S.
E	**Glanskool,** gelaag ...	17	—	**Coal,** bright, banded.
	N.G.	75	—	N.S.
D	**Glanskool,** gelaag; plek-plek fyngelaag en pikagtig; kalsiethoudend.	14	—	**Coal,** bright, banded; finely banded and pitchlike in parts; calcitic.
	N.G.	10	—	N.S.
C	**Glanskool,** gelaag, kalsiethoudend.	12	—	**Coal,** bright, banded, calcitic.
	Skalie, koolstofhoudend.	4	—	Shale, carbonaceous.
	Glanskool, gelaag ...	16	—	**Coal,** bright, banded.
	N.G.	6	—	N.S.
B	**Glanskool,** gelaag, kalsiethoudend.	35	—	**Coal,** bright, banded, calcitic.
	N.G.	11	—	N.S.
A	**Glanskool,** gelaag, plek-plek pikagtig; skalieagtig en kalsiethoudend.	10	187 0	**Coal,** bright, banded, pitch-like in parts; shaly and calcitic.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
R 176	N.G.	15	196 0	N.S.
C	Glanskool, gelaag, kalsiethoudend.	12	—	Coal, bright, banded, calcitic.
	N.G.	18	—	N.S.
B	Glanskool, gelaag, en skalie.	13	—	Coal, bright, banded, and shale.
A	Glanskool, gelaag ...	59	204 6	Coal, bright, banded.
R 177	N.G.	16	205 10	N.S.
D	Steenkool en skalie; hoofsaaklik gelaagde glanskool; verswak na bo; kalsiethoudend, met 'n glyvlak by onderent.	80	—	Coal and shale; mainly banded bright coal; deteriorates towards top; calcitic, with a slip plane at bottom.
C	Glanskool, gelaag, skalieagtig en kalsiethoudend.	29	—	Coal, bright, banded, shaly and calcitic.
B	Glanskool, gelaag, plekplek pikagtig, met 2 dm. vaal tot swart skalie in middel; kalsiethoudend.	30	—	Coal, bright, banded, pitch-like in parts, with 2 in. grey to black shale in middle; calcitic.
	Glanskool, gelaag, skalieagtig.	5	—	Coal, bright, banded, shaly.
	Glanskool, gelaag, plekplek pikagtig.	12	—	Coal, bright, banded, pitch-like in parts.
	N.G.	70	—	N.S.
A	Glanskool, gelaag, skalieagtig en kalsiethoudend, met 3 dm. vaalswart skalie 20 dm. van bo af.	88	232 0	Coal, bright, banded, shaly and calcitic, with 3 in. greyish black shale 20 in. from top.
R 178	N.G.	178	264 10	N.S.
	Glanskool, gelaag, piriethoudend.	14	266 0	Coal, bright, banded, pyritic.
R 181	N.G.	4	400 4	N.S.
F	Matkoollae, skalieagtig, en glanskoollae, om die beurt; piriethoudend en boonste helfte sideriethoudend.	50	—	Coal; dull, shaly bands, alternating with bands of bright coal; pyritic and top half sideritic.
	N.G.	364	434 10	N.S.
	N.G.	249	455 1	N.S.
E	Matkool, plek-plek glansend, met enkele pirietknolle.	64	—	Coal, dull, lustrous in parts, with occasional pyrite nodules.
D	Matkool hoofsaaklik, met enkele pirietknolle.	36	—	Coal; mainly dull coal, with occasional pyrite nodules.
C	Steenkool, gemeng, meer glansend na onder; 2 dm. piriethoudende sandsteen 10 dm. van onder af uitgesluit.	50	—	Coal, mixed, brighter towards bottom; 2 in. pyritic sandstone 10 in. from bottom excluded.
	N.G.	212	485 3	N.S.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
B	Steenkool, gemeng, met vier 1-dm. tot 2-dm. sandsteenlagies uitgesluit.	30	—	Coal, mixed, with four 1-in. to 2-in. sandstone bands excluded.
A	Steenkool; hoofsaaklik matkool in boonste helfte en gemengde steenkool in onderste helfte; enkele pirietknolle kom voor en 1 dm. moddersteen in middel; glyvlakke in onderste paar duim.	121	497 10	Coal; mainly dull coal in top half and mixed coal in bottom half; occasional pyrite nodules appear and 1 in. mudstone in middle; slip planes in bottom few inches.
R 182	N.G.	296	546 4	N.S.
A	Steenkool; hoofsaaklik matkool in boonste helfte en hoofsaaklik glanskool in onderste helfte; glyvlak in middel.	30	548 10	Coal; mainly dull coal in top half and mainly bright coal in bottom half; slip plane in middle.

BOORGAT 95 : HOOIKRAAL 721 : BOREHOLE 95

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	Wastoets Washing Test			Kortanalises (Luggedroogde steenkool) Proximate Analyses (Air-dried coal)						Soortlike Gewig-Afskeiding (—16 maas B.S.S.) Specific Gravity Separation (—16 mesh B.S.S.)					
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield	V.w. Cal. val.	H₂O	As Ash	Vlugtige bestand-dele Volatile matter	Kooks-koolstof Fixed carbon	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
											Op-brengs Yield	As Ash	Op-brengs Yield	As Ash	Dryfsel Float	
				%	lb./lb.	%	%	%	%		%	%	%	%	1·45	1·58
R 175 F	29	—	—	—	—	2·9	28·4	31·4	37·3	2½	46·6	11·1	65·6	15·7	3	3
E	17	—	—	—	10·4	3·3	23·4	32·4	40·9	2½	57·0	10·3	76·2	15·3	3	3
D₁	—	−1	1·45	64·1	11·7	3·6	16·3	33·9	46·2	3½	—	—	—	—	—	—
D₂	—	−1	1·45	35·9	—	—	33·9	—	—	—	—	—	—	—	—	—
D	14	—	—	—	—	—	22·6	—	—	—	62·3	9·7	80·3	15·6	3½	3
C₁	—	−1	1·45	58·6	11·6	3·4	16·9	33·9	45·8	4	—	—	—	—	—	—
C₂	—	−1	1·45	41·4	—	—	54·7	—	—	—	—	—	—	—	—	—
C	32	—	—	—	—	—	32·5	—	—	—	48·8	10·7	66·6	15·4	3½	3
B₁	—	−1	1·45	77·4	11·7	3·6	16·2	33·5	46·7	4	—	—	—	—	—	—
B₂	—	−1	1·45	22·6	—	—	29·7	—	—	—	—	—	—	—	—	—
B	35	—	—	—	—	—	19·3	—	—	—	69·7	11·7	88·1	15·0	3½	3½
A₁	—	−1	1·45	68·2	11·9	3·5	15·3	36·4	44·8	4½	—	—	—	—	—	—
A₂	—	−1	1·45	31·8	—	—	30·8	—	—	—	—	—	—	—	—	—
A	10	—	—	—	—	—	20·2	—	—	—	63·8	10·6	84·8	15·2	4½	4
R 176 C	12	—	—	—	11·3	3·4	18·4	33·7	44·5	2	76·6	10·1	86·3	12·7	2½	2½
B	13	—	—	—	—	3·0	36·0	26·1	34·9	1Ag	34·8	8·2	48·2	15·0	2½	2½
A₁	—	−1	1·45	79·0	12·3	3·7	13·4	33·9	49·0	2½	—	—	—	—	—	—
A₂	—	−1	1·45	21·0	—	—	30·7	—	—	—	—	—	—	—	—	—
A	59	—	—	—	—	—	17·0	—	—	—	72·5	9·0	87·2	11·8	3	2½
R 177 D	80	—	—	—	—	2·7	30·0	27·9	39·4	1	43·4	9·5	62·5	15·8	2	2
C₁	—	−1	1·45	57·3	11·9	3·2	14·8	34·0	48·0	2½	—	—	—	—	—	—
C₂	—	−1	1·45	42·7	—	—	38·4	—	—	—	—	—	—	—	—	—
C	29	—	—	—	—	—	24·9	—	—	—	62·4	9·7	74·1	13·4	3½	2½
B₁	—	−1	1·45	63·1	12·2	3·2	13·9	34·4	48·5	3½	—	—	—	—	—	—

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Opbrengs Yield %	As Ash %	Opbrengs Yield %	As Ash %	1·45	1·58
R 177 B_2	—	−1	1·45	36·9	—	—	40·3	—	—	—	—	—	—	—	—	—
B	47	—	—	—	—	—	23·6	—	—	—	62·7	9·0	77·1	13·4	3½	2½
A_1	—	−1	1·45	53·3	11·9	3·5	15·3	33·4	47·8	3	—	—	—	—	—	—
A_2	—	−1	1·45	46·7	—	—	39·3	—	—	—	—	—	—	—	—	—
A	88	—	—	—	—	—	26·5	—	—	—	59·4	11·7	73·6	15·6	3	3
R 178	14	−1	—	—	11·5	3·0	18·3	32·3	46·4	2	72·6	8·0	80·4	10·7	3½	3
R 181 F	50	—	—	—	—	—	37·3	—	—	—	—	—	37·8	12·8	—	1Ag
E_1	—	−2	1·58	72·0	11·2	3·7	17·5	20·0	58·8	F	—	—	—	—	—	—
E_2	—	−2	1·58	28·0	—	—	33·2	—	—	—	—	—	—	—	—	—
E	64	—	—	—	—	—	21·9	—	—	—	—	—	68·6	13·6	—	P
D_1	—	−2	1·58	66·2	11·5	3·4	17·7	22·5	56·4	P	—	—	—	—	—	—
D_2	—	−2	1·58	33·8	—	—	37·6	—	—	—	—	—	—	—	—	—
D	36	—	—	—	—	—	24·4	—	—	—	—	—	60·5	12·5	—	F
C_1+C_2	—	−2	1·58	92·7	12·4	3·6	12·3	27·9	56·2	F	—	—	—	—	—	—
C_3	—	−2	1·58	7·3	—	—	39·8	—	—	—	—	—	—	—	—	—
C	48	—	—	—	—	—	14·3	—	—	—	—	—	89·4	10·4	—	1Ag
B_1	—	−2	1·58	53·3	12·4	3·5	12·5	28·4	55·6	F	—	—	—	—	—	—
B_2	—	−2	1·58	46·7	—	—	63·2	—	—	—	—	—	—	—	—	—
B	30	—	—	—	—	—	36·1	—	—	—	—	—	52·3	7·6	—	1Ag
A_1	—	−2	1·58	74·7	11·7	3·1	16·0	24·5	56·4	1	—	—	—	—	—	—
A_2	—	−2	1·58	25·3	—	—	36·7	—	—	—	—	—	—	—	—	—
A	121	—	—	—	—	—	21·2	—	—	—	—	—	72·4	12·7	—	F
R 182 A	30	—	—	—	12·7	3·1	11·4	27·6	57·9	1Ag	75·7	5·7	92·7	7·8	1½	1Ag

BOORGAT 96 : HOOIKRAAL 721 : BOREHOLE 96

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Sand	2 0	2 0	Sand.
Kleimateriaal, liggeel en ligbruin, met onderste 9 vt. ligblou; vermoedelik 'n gekonsolideerde verweringsproduk (stampboor).	182 0	—	Clay-material, light-yellow and light-brown, with bottom 9 feet light-blue; presumably a consolidated product of weathering (jumper drill).
Skalie, ligblou, kleiagtig, met 'n vertikale breuk; baie glyvlakke en 'n helling van 15°; bevat baie kalsiethoudende kaolien.	12 6	—	Shale, light-blue, clayey, with a vertical cleavage; many slip planes and a dip of 15°; contains much calcitic kaolin.
Skalie, vaal en ligblou, kleiagtig; onderste deel is baie hard met geringe aanduidings van sanderigheid; helling van ongeveer 15°.	7 6	—	Shale, grey and light-blue, clayey; bottom portion is very hard with slight indications of being sandy; dip of approximately 15°.
Moddersteen, vaal, effens sanderig, hard, met 'n helling van ongeveer 15°; breukvlakke reghoekig op hellingsvlak.	11 0	—	Mudstone, grey, slightly sandy, hard, with a dip of approximately 15°; cleavage planes at right angles to dip plane.
Sandsteen, wit, erg fynkorrelrig, met breukvlakke reghoekig op hellingsvlakke; helling van 13°.	27 0	—	Sandstone, white, very fine-grained, with cleavage planes perpendicular to dip planes; dip of 13°.
Moddersteen, grys, vol glyvlakke en erg gekronkel.	1 6	—	Mudstone, grey, full of slip planes and much contorted.
Sandsteen, wit, erg fynkorrelrig, met 'n helling van ongeveer 15° en breukvlakke reghoekig op hellingsvlak.	5 0	248 6	Sandstone, white, very fine-grained, with a dip of approximately 15° and cleavage planes at right angles to dip planes.
Sandsteen, kleiagtig, vol glyvlakke en erg gekronkel.	1 8	—	Sandstone, clayey, grey, full of slip planes and much contorted.
Sandsteen, wit, erg fynkorrelrig, met 'n helling van ongeveer 15° en breukvlakke reghoekig op hellingsvlak.	25 10	276 0	Sandstone, white, very fine-grained, with a dip of approximately 15° and cleavage planes perpendicular to dip plane.

BOORGAT 97 : MINNASVLAKTE 716 : BOREHOLE 97

Kern 3½ dm. | Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sand	2	0	2	0	Sand.
Sand, effens gekonsolideer	55	0	57	0	Sand, slightly consolidated.
Moddersteen, vaal en blouvaal	179	5	236	5	Mudstone, grey and blue-grey.
Skalie, blou	1	9	238	2	Shale, blue.
Glanskool, gelaag, piriet- en kalsiethoudend, en skalieagtig in onderste 2 dm.	1	5	—		**Coal**, bright, banded, pyritic and calcitic, and shaly in bottom 2 in.
Skalie, vaal, kleiagtig	5	7	—		Shale, grey, clayey.
Steenkool; hoofsaaklik gelaagde glanskool, met 5 dm. skalie 11 dm. van onder af.	2	8	—		**Coal**; mainly banded bright coal, with 5 in. shale 11 in. from bottom.
Skalie, vaal en blou	3	2	—		Shale, grey and blue.
Glanskool, met dun skalielagies.	1	0	252	0	**Coal**, bright, banded, with thin shale bands.
Skalie, blou en swart, met twee steenkoollagies.	4	2	256	2	Shale, blue and black, with two coal bands.
Steenkool; hoofsaaklik gelaagde glanskool, met een 3-dm. en twee 4-dm. koolstofhoudende skalielae 2 vt. 9 dm., 3 vt. 5 dm. en 4 vt. 10 dm. van bo af respektiewelik; effens piriethoudend en onderste 2 dm. met 'n vuil voorkoms, waarskynlik weens fynverdeelde kalsiet.	5	2	261	4	**Coal**; mainly banded bright coal, with one 3-in. and two 4-in. carbonaceous shale bands 2 ft. 9 in., 3 ft. 5 in. and 4 ft. 10 in. from the top respectively; slightly pyritic and bottom 2 in. with a dirty appearance, probably due to finely divided calcite.
Skalie, blou en swart	4	3	—		Shale, blue and black.
Glanskoollae, minderwaardig, en skalielae, om die beurt; hoofsaaklik steenkool.	5	2	—		**Coal**; bright inferior bands, alternating with shale bands; mainly coal.
Skalielae, koolstofhoudend, en gelaagde glanskoollae, om die beurt; piriethoudend; hoofsaaklik skalie.	6	11	277	8	Shale bands, carbonaceous, alternating with bands of banded bright coal; pyritic; mainly shale.
Glanskool, gelaag, effens piriethoudend, met 3 dm. koolstofhoudende skalie 34 dm. van bo af.	4	7	—		**Coal**, bright, banded, slightly pyritic, with 3 in. carbonaceous shale 34 in. from top.
Skalie hoofsaaklik		10	—		Shale mainly.
Glanskool, gelaag, skalieagtig, met 4½ dm. skalie 27 dm. van bo af.	4	4	—		**Coal**, bright, banded, shaly, with 4½ in. shale 27 in. from top.
Skalielae, koolstofhoudend, minderwaardige gelaagde glanskoollae en skalieagtige steenkoollae.	3	4	—		Shale bands, carbonaceous, inferior banded, bright coal bands and shaly coal bands.
Glanskool, gelaag, met tussengelaagde dun skalieagtige lagies.	6	11	297	8	**Coal**, bright, banded, with intercalated thin shaly bands.
Skalie, swart, met vier 2-dm. tot 6-dm. steenkoollagies.	12	8	310	4	Shale, black, with four 2-in. to 6-in. coal bands.
Glanskool, gelaag, met tussengelaagde dun skalielagies.	1	7	—		**Coal**, bright, banded, with intercalated thin shale bands.
Skalie, met twee steenkoollagies.	3	6	—		Shale, with two coal bands.
Glanskool, gelaag, plek-plek skalieagtig en siderietheoudend na onder.	3	4	318	9	**Coal**, bright, banded, shaly in places and sideritic towards bottom.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Glanskool, erg sideriethoudend.		9	—		**Coal,** bright, very sideritic.
Sideriet, kalsiet en steenkool ...		11	—		Siderite, calcite and coal.
Skalie, swart	6	0	—		Shale, black.
Glanskool, met dun skalielagies.		10	—		**Coal,** bright, with thin shale bands.
Skalie, met twee 2-dm. en 6-dm. steenkoollagies.	3	11	331	2	Shale, with two 2-in. and 6-in. coal bands.
Glanskool, gelaag, met dun skalielagies.	1	8	332	10	**Coal,** bright, banded, with thin shale bands.
Skalie, swart, met twee 3-dm. steenkoollagies en 'n glyvlak in boonste steenkoollagie.	5	6	—		Shale, black, with two 3-in. coal bands and a slip plane in top coal band.
Glanskool, dungelaag, met dun skalieagtige lagies.	1	1	—		**Coal,** bright, thinly banded, with thin shaly bands.
Skalie, koolstofhoudend, met 4 dm. glanskool 5 dm. van bo af.	1	6	—		Shale, carbonaceous, with 4 in. bright coal 5 in. from top.
Glanskool, gelaag, met baie skalieagtige tussenlagies.	3	1	—		**Coal,** bright, banded, with many shaly intercalations.
Skalie, swart	1	1	—		Shale, black.
Skalielae, koolstofhoudend, skalieagtige steenkool en minderwaardige gelaagde glanskool, om die beurt; onderste 14 dm. is sideriethoudend.	7	1	—		Shale bands, carbonaceous, shaly coal and inferior banded bright coal, alternating; bottom 14 in. is sideritic.
Skalielae, breed en koolstofhoudend, en breë gelaagde, minderwaardige glanskoollae, en skalieagtige steenkool, om die beurt.	17	5	—		Shale bands, wide and carbonaceous, and broad banded, inferior bands of bright coal, and shaly coal, alternating.
Glanskool, gelaag, erg sideriethoudend in middel.	1	7	—		**Coal,** bright, banded, very sideritic in middle.
Skalie, swart	4	1	375	3	Shale, black.
Glanskool, gelaag, effens piriethoudend, met 1 dm. skalie 13 dm. van bo af.	1	9	—		**Coal,** bright, banded, slightly pyritic, with 1 in. shale 13 in. from top.
Skalielae, met baie glanskool en enkele vitrietlagies tot 1½ dm. dikte.	5	7	—		Shale bands, with much bright coal and occasional vitrain bands up to 1½ inch in thickness.
Skalie, swart, en koolstofhoudende skalie, met baie dun steenkoollagies.	2	6	—		Shale, black, and carbonaceous shale, with many thin coal bands.
Glanskool, gelaag	1	11	387	0	**Coal,** bright, banded.
Glanskool, erg sideriethoudend, met dun skalielagies by onderent.	1	6	—		**Coal,** bright, banded, very sideritic, with thin shale bands at bottom.
Skalie, swart, en koolstofhoudende skalie, met een-en-twintig 1-dm. tot 8-dm. steensteenkoollae, die meeste waarvan sideriethoudend is.	56	3	444	9	Shale, black, and carbonaceous shale, with twenty-one 1-in. to 8-in. coal bands, most of which is sideritic.
Sandsteen, vaalwit, grofkorrelrig, massief, veldspaties.	5	2	—		Sandstone, greyish white, coarse-grained, massive, felspathic.
Skalie, swart, met elf 1-dm. tot 3-dm. steenkoollagies sommige waarvan sideriethoudend is.	13	7	—		Shale, black, with eleven 1-in. to 3-in. coal bands some of which is sideritic.
Sandsteen, koolstofhoudend, grofkorrelrig, met enkele spoelklippies tot ½ dm. deursnee.		9	—		Sandstone, carbonaceous, coarse-grained, with occasional pebbles up to ½ in. diameter.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Skalie, swart, met 2 voet swaar matkool by onderent en enkele dun glanskoollagies.	7 4	—	Shale, black, with 2 feet heavy, dull coal at bottom and occasional thin bright coal bands.
Sandsteen, koolstofhoudend, grofkorrelrig, met enkele spoelklippies tot ½ dm. deursnee en 3 dm. skalie naby bo-ent.	1 4	—	Sandstone, carbonaceous, coarse-grained, with occasional pebbles up to ½ in. diameter and 3 in. shale near top.
Sandsteen, grofkorrelrig, met baie halfgeronde tot hoekige kwarts-spoelklippies tot ½ dm. deursnee en enkele van 1 dm. deursnee; plek-plek effens koolstofhoudend.	31 10	504 9	Sandstone, coarse-grained, with many semi-rounded to angular quartz pebbles up to ½ in. diameter and occasional ones of 1 in. diameter; slightly carbonaceous in places.
Skalie, koolstofhoudend	7	505 4	Shale, carbonaceous.
Glanskoollae, sideriethoudend, en skalieagtige matkoollae, om die beurt.	2 9	508 1	**Coal**; bright, sideritic bands alternating with shaly dull coal bands.
Skalie, koolstofhoudend, en skalieagtige matkool, om die beurt, met 12 dm. minderwaardige gelaagde glanskool by onderent; 4 dm. kernverlies tussen 504 vt. 9 dm. en 513 vt. 2 dm.	4 9	513 2	Shale, carbonaceous, alternating with shaly dull coal, with 12 in. inferior banded bright coal at bottom; 4 in. core-loss between 504 ft. 9 in. and 513 ft. 2 in.
Skalie, kleiagtig, vol glyvlakke in onderste 6 dm.; fossieldraend.	1 9	—	Shale, clayey, full of slip planes in bottom 6 in.; fossiliferous.
Sandsteen, middel- tot baie grofkorrelrig; wit, massief, veldspaties.	6 6	—	Sandstone, medium- to very coarse-grained; white, massive, felspathic.
Sandsteen, donkervaal, fossieldraend.	4	—	Sandstone, dark-grey, fossiliferous.
Sandsteen, fynkorrelrig, vaal ...	9	—	Sandstone, fine-grained, grey.
Skalie en steenkool	6	—	Shale and coal.
Skalie, kleiagtig, bruin-swart; swarter na onder.	3 5	—	Shale, clayey, brownish black; blacker towards bottom.
Skalie, koolstofhoudend, plek-plek steenkoolagtig.	4 5	530 10	Shale, carbonaceous, coaly in places.
Skalie, koolstofhoudend, en skalieagtige matkool om die beurt.	3 4	—	Shale, carbonaceous, alternating with shaly dull coal.
Matkool, skalieagtig, plek-plek effens glansend en piriethoudend.	4 8	—	**Coal**, dull, shaly, slightly lustrous and pyritic in parts.
Skalie, koolstofhoudend, en skalieagtige matkool; hoofsaaklik skalie.	5 10	—	Shale, carbonaceous, and shaly dull coal; mainly shale.
Skalie, koolstofhoudend, en skalieagtige matkool; hoofsaaklik laasgenoemde.	6 10	—	Shale, carbonaceous and shaly dull coal; mainly latter.
Skalie, koolstofhoudende skalie en skalieagtige matkool, om die beurt; hoofsaaklik koolstofhoudende skalie.	8 6	560 0	Shale, carbonaceous shale and shaly dull coal alternating; mainly carbonaceous shale.
Skalie, donkervaal, sanderig ...	9	—	Shale, dark-grey, sandy.
Sandsteen, donkervaal, erg fynkorrelrig, skalieagtig by onderent.	2 3	—	Sandstone, dark-grey, very fine-grained, shaly at bottom.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Sandsteen, fynkorrelrig, ligbruin, mikadraend, plek-plek piriethoudend.	6 11	—	Sandstone, fine-grained, light-brown, micaceous, pyritic in places.
Sandsteen, massief, veldspaties, middel- tot grofkorrelrig, wit en vaal.	12 7	—	Sandstone, massive, felspathic, medium- to coarse-grained, white and grey.
Sandsteen, vaal en wit, veldspaties, massief, fyn- tot grofkorrelrig, plek-plek met effens gelaagde, fynkorrelrige dele; onderste 9 dm. is grintagtig.	10 0	—	Sandstone, grey and white, felspathic, massive, fine- to coarse-grained, with slightly laminated fine-grained portions; bottom 9 in. is gritty.
Sandsteen, massief, veldspaties, middel- tot grofkorrelrig, vaal en wit.	23 0	—	Sandstone, massive, felspathic, medium- to coarse-grained, grey and white.
Grintsteen, veldspaties, met enkele insluitsels van sanderige skalie.	2 3	—	Grit, felspathic, with occasional inclusions of sandy shale.
Sandsteen, massief, veldspaties, middel- tot grofkorrelrig, plek-plek grintagtig; vaal en wit.	8 8	—	Sandstone, massive, felspathic, medium- to coarse-grained, gritty in places; grey and white.
Grintsteen, massief, veldspaties, wit.	1 7	628 0	Grit, massive, felspathic, white.
Matkool, glansend	2 0	—	**Coal**, dull, lustrous.
Glanskool, erg piriethoudend ...	3	—	**Coal**, bright, very pyritic.
Steenkool; hoofsaaklik matkool.	9	—	**Coal**; mainly dull coal.
Glanskool, erg piriethoudend, met fusietlagies by onderent.	11	—	**Coal**, bright, very pyritic, with fusain bands at bottom.
Steenkool, gemeng, piriethoudend, met ’n glyvlak.	1 0½	632 11½	**Coal**, mixed, pyritic, with a slip plane.
Sandsteen, erg fynkorrelrig, gelaag, bruinagtig, donkervaal en swart, effens mikadraend; kruisgelaag in boonste helfte.	8 0½	—	Sandstone, very fine-grained, laminated, brownish, dark-grey and black, slightly micaceous; cross-bedded in top half.
Sandsteen, gelaag, grofkorrelrig, vuilwit en vaal tot swart; onderste 14 dm. is koolstofhoudend.	3 0	644 0	Sandstone, laminated, coarse-grained, dirty white and grey to black; bottom 14 in. is carbonaceous.
Skalie, koolstofhoudende skalie en skalieagtige steenkool.	1 0	645 0	Shale, carbonaceous shale and shaly coal.
Steenkool; hoofsaaklik matkool, met enkele gemengde steenkoollae; effens piriethoudend, met 7 dm. skalieagtige steenkool 7 dm. van onder af.	5 5	—	**Coal**; mainly dull coal, with occasional mixed coal bands; slightly pyritic, with 7 in. shaly coal 7 in. from bottom.
Skalie, koolstofhoudend, en skalieagtige steenkool.	1 2	—	Shale, carbonaceous and shaly coal.
Skalie, vaal	1½	651 8½	Shale, grey.
Steenkool; hoofsaaklik skalieagtige matkool, met enkele piriethoudende, gemengde steenkoollae.	3 3½	—	**Coal**; mainly shaly dull coal, with occasional pyritic, mixed coal bands.
Steenkool, gemeng; hoofsaaklik matkool; piriethoudend; meer glansend na onder.	3 3	—	**Coal**, mixed; mainly dull coal; pyritic; brighter towards bottom.
Glanskool, gelaag, dowwer in middel, met ’n 2-dm. piriet- en kalsiethoudende laag naby bo-ent.	1 9	660 0	**Coal**, bright, banded, duller in middle, with a 2-in. pyritic and calcitic band near top.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Sandsteen, erg fynkorrelrig, gelaag, boonste helfte golfvormig; mikadraend, swart tot vaalswart en ligbruin tot swartbruin.	10 2	—	Sandstone, very fine-grained, laminated, top half in wavy layers; micaceous, black to greyish black and light-brown to blackish brown.
Sandsteen, skalieagtig, swart, met 'n paar middelkorrelrige lagies en lense; onderste helfte bevat meer sandsteenlagies en -lense.	10 2	—	Sandstone, shaly, black, with a few medium-grained bands and lenses; bottom half contains more sandstone bands and lenses.
Sandsteen, middel- tot grofkorrelrig, en swart, skalieagtige sandsteenlagies, om die beurt; plek-plek golfvormig.	4 7	684 11	Sandstone, medium- to coarse-grained, alternating with black, shaly sandstone bands; banded in wavy layer fashion in parts.
Steenkool; hoofsaaklik homogene matkool, met enkele glanskoolstrepies.	5 1	690 0	**Coal;** mainly homogeneous, dull coal, with occasional bright coal streaks.
Sandsteen, middel- tot grofkorrelrig, en swart, skalieagtige sandsteenlagies, om die beurt; plek-plek golfvormig gelaag.	1 5	691 5	Sandstone, medium- to coarse-grained, alternating with black, shaly sandstone bands; banded in wavy layer fashion in places.

BOORGAT 97 : MINNASVLAKTE 716 : BOREHOLE 97

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
R 255	N.G.	21	238 2	N.S.
C	**Glanskool,** gelaag, piriet- en kalsiethoudend, en skalieagtig in onderste 2 dm.	17	—	**Coal,** bright, banded, pyritic and calcitic, and shaly in bottom 2 in.
	N.G.	65	—	N.S.
B	**Steenkool;** hoofsaaklik gelaagde glanskool, met 5 dm. skalie 11 dm. van onder af uitgesluit.	32	—	**Coal;** mainly banded bright coal, with 5 in. shale 11 in. from bottom excluded.
	N.G.	38	—	N.S.
A	**Glanskool,** met dun skalielagies.	12	252 0	**Coal,** bright, with thin shale bands.

Bg. 97 (*Verv.*) B.H. 97 (*Contd.*)

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth		Nature of strata
		Dm. *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
R 256	N.G.	50	256	2	N.S.
A	Steenkool; hoofsaaklik gelaagde glanskool, met een 3-dm., en twee 4-dm. koolstofhoudende skalielae 2 vt. 9 dm.. 3 vt. 5 dm. en 4 vt. 10 dm. van bo af respektiewelik; effens piriethoudend en onderste 2 dm. met 'n vuil voorkoms, waarskynlik weens fynverdeelde kalsiet.	62	261	4	Coal; mainly banded, bright coal, with one 3-in., and two 4-in. carbonaceous shale bands 2 ft. 9 in., 3 ft. 5 in. and 4 ft. 10 in. from top respectively; slightly pyritic and bottom 2 in. with a dirty appearance, probably due to finely divided calcite.
R 257	N.G.	83	277	8	N.S.
C	Glanskool, gelaag, effens piriethoudend, met 3 dm. koolstofhoudende skalie 34 dm. van bo af.	55	—		Coal, bright, banded, slightly pyritic, with 3 in. carbonaceous shale 34 in. from top.
	N.G.	10	—		N.S.
B	Glanskool, gelaag, skalieagtig, met 4½ dm. skalie 27 dm. van bo af uitgesluit.	52	—		Coal, bright, banded, shaly, with 4½ in. shale 27 in. from top excluded.
	N.G.	40	—		N.S.
A	Glanskool, gelaag, met tussengelaagde dun skalieagtige lagies.	83	297	8	Coal, bright, banded, with intercalated thin shaly bands.
R 258	N.G.	152	310	4	N.S.
B	Glanskool, gelaag, met tussengelaagde dun skalielagies.	19	—		Coal, bright, banded, with intercalated thin shale bands.
	N.G.	42	—		N.S.
A	Glanskool, gelaag, plekplek skalieagtig en sideriethoudend na onder.	40	318	9	Coal, bright, banded, shaly in parts and sideritic towards bottom.
R 259	N.G.	47	331	2	N.S.
A	Glanskool, gelaag, met dun skalielagies.	20	332	10	Coal, bright, banded, with thin shale bands.
R 261	N.G.	49	375	3	N.S.
B	Glanskool, gelaag, effens piriethoudend, met 1 dm. skalie 13 dm. van bo af.	21	—		Coal, bright, banded, slightly pyritic, with 1 in. shale 13 in. from top.
	N.G.	97	—		N.S.
A	Glanskool, gelaag ...	23	387	0	Coal, bright, banded.

Bg. 97 (*Verv.*) B.H. 97 (*Contd.*)

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
R 262	N.G.	7	505 4	N.S.
A	Glanskoollae, sideriethoudend, en skalieagtige matkoollae, om die beurt.	33	508 1	Coal; bright, sideritic bands alternating with shaly dull coal bands.
R 263	N.G.	19	628 0	N.S.
A	Matkool, glansend ...	24	—	Coal, dull, lustrous.
	Glanskool, erg piriethoudend.	3	—	Coal, bright, very pyritic.
	Steenkool; hoofsaaklik matkool.	9	—	Coal; mainly dull coal.
	N.G.	11	—	N.S.
	Steenkool, gemeng, piriethoudend, met 'n glyvlak.	12½	632 11½	Coal, mixed, pyritic, with a slip plane.
R 306	N.G.	12	645 0	N.S.
E	Steenkool; hoofsaaklik matkool, met enkele gemengde steenkoollae; effens piriethoudend, met 7 dm. skalieagtige steenkool 7 dm. van onder af.	65	—	Coal; mainly dull coal, with occasional mixed coal bands; slightly pyritic, with 7 in. shaly coal 7 in. from bottom.
	N.G.	15½	—	N.S.
D	Steenkool; hoofsaaklik skalieagtige matkool, met enkele piriethoudende, gemengde steenkoollae.	39½	—	Coal; mainly shaly dull coal, with occasional pyritic, mixed coal bands.
C	Steenkool, gemeng; hoofsaaklik matkool; piriethoudend; meer glansend na onder.	39	—	Coal, mixed; mainly dull coal; pyritic; brighter towards bottom.
B	Glanskool, gelaag, dowwer in middel, met 'n 2-dm. piriet- en kalsiethoudende laag naby bo-ent.	21	660 0	Coal, bright, banded, duller in middle, with a 2-in. pyritic and calcitic band near top.
	N.G.	299	684 11	N.S.
A	Steenkool; hoofsaaklik homogene matkool, met enkele glanskoolstrepies.	61	690 0	Coal; mainly homogeneous dull coal, with occasional bright coal streaks.

BOORGAT 97 : MINNASVLAKTE 716 : BOREHOLE 97

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
		Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
											Opbrengs Yield %	As Ash %	Opbrengs Yield %	As Ash %	Dryfsel Float 1·45	Dryfsel Float 1·58
R 255 C_1	—	−1	1·45	44·3	—	3·1	15·2	36·4	45·3	3½	—	—	—	—	—	—
C_2	—	−1	1·45	55·7	—	—	37·9	—	—	—	—	—	—	—	—	—
C	17	—	—	—	—	—	27·8	—	—	—	55·5	8·4	64·7	12·4	4	4
B_1	—	−1	1·45	46·9	—	3·2	17·8	32·9	46·1	2½	—	—	—	—	—	—
B_2	—	−1	1·45	53·1	—	—	32·5	—	—	—	—	—	—	—	—	—
B	27	—	—	—	—	—	25·6	—	—	—	52·5	9·5	72·0	15·2	3½	3
A	12	—	—	—	—	2·5	24·4	33·1	40·0	3½	55·5	9·2	75·1	15·0	4½	4
R 256 A_1	—	−1	1·45	52·0	—	3·0	17·8	34·1	45·1	3½	—	—	—	—	—	—
A_2	—	−1	1·45	48·0	—	—	54·0	—	—	—	—	—	—	—	—	—
A	62	—	—	—	—	—	35·2	—	—	—	—	—	58·5	15·4	—	3
R 257 C_1	—	−1	1·45	44·3	—	2·9	15·1	35·3	46·7	4	—	—	—	—	—	—
C_2	—	−1	1·45	55·7	—	—	43·4	—	—	—	—	—	—	—	—	—
C	55	—	—	—	—	—	30·9	—	—	—	43·9	8·8	59·5	13·6	4	3
B_1	—	−1	1·45	26·2	—	2·8	17·5	34·4	45·3	3½	—	—	—	—	—	—
B_2	—	−1	1·45	73·8	—	—	37·4	—	—	—	—	—	—	—	—	—
B	47½	—	—	—	—	—	32·2	—	—	—	39·1	9·1	57·6	15·6	3½	3
A	83	—	—	—	—	2·6	25·1	30·0	42·3	1½	50·5	8·0	70·3	13·4	3½	2½
R 258 B_1	—	−1	1·45	52·1	—	2·8	19·0	33·0	45·2	2½	—	—	—	—	—	—
B_2	—	−1	1·45	47·9	—	—	30·3	—	—	—	—	—	—	—	—	—
B	19	—	—	—	—	—	24·9	—	—	—	50·7	9·8	84·0	15·6	3	2½
A_1	—	−1	1·45	38·8	—	2·8	14·2	34·2	48·8	3—3½	—	—	—	—	—	—
A_2	—	−1	1·45	61·2	—	—	38·4	—	—	—	—	—	—	—	—	—
A	40	—	—	—	—	—	29·0	—	—	—	43·9	8·4	65·9	13·8	3½	3

Bg. 97 (*Verv.*) B.H. 97 (*Contd.*)

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Grootte, Dm. Size, In.	S.G.	Opbrengs Yield %	V.w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige bestanddele Volatile matter %	Kookskoolstof Fixed carbon %	Sw.-syfer Sw. no.	Opbrengs Yield %	As Ash %	Opbrengs Yield %	As Ash %	1·45	1·58
R 259 A_1	—	−1	1·45	26·9	—	2·8	17·0	33·6	46·6	3½	—	—	—	—	—	—
A_2	—	−1	1·45	73·1	—	—	39·5	—	—	—	—	—	—	—	—	—
A	20	—	—	—	—	—	33·4	—	—	—	39·2	8·7	54·9	13·6	4	3
R 261 B_1	—	−1	1·45	62·9	—	2·7	15·2	32·8	49·3	3	—	—	—	—	—	—
B_2	—	−1	1·45	37·1	—	—	32·9	—	—	—	—	—	—	—	—	—
B	21	—	—	—	—	—	21·8	—	—	—	55·6	6·9	75·0	11·4	4	4
A_1	—	−1	1·45	64·1	—	2·5	16·7	34·8	46·0	4½	—	—	—	—	—	—
A_2	—	−1	1·45	35·9	—	—	29·4	—	—	—	—	—	—	—	—	—
A	23	—	—	—	—	—	21·3	—	—	—	59·6	9·2	78·3	13·4	4½	4½
R 262 A_1	—	−1	1·45	20·7	—	2·8	12·0	33·6	51·6	2	—	—	—	—	—	—
A_2	—	−1	1·45	79·3	—	—	35·4	—	—	—	—	—	—	—	—	—
A	33	—	—	—	—	—	30·6	—	—	—	30·9	7·1	47·9	10·1	2½	2
R 263 A_1	—	−2	1·58	34·0	11·4	2·6	19·8	21·3	56·3	F	—	—	—	—	—	—
A_2	—	−2	1·58	66·0	—	—	38·2	—	—	—	—	—	—	—	—	—
A	48½	—	—	—	—	—	26·0	—	—	—	32·2	6·6	51·9	12·4	F	F
R 306 E_1	—	−1	1·58	54·8	11·5	3·1	18·1	23·9	54·9	P	—	—	—	—	—	—
E_2	—	−1	1·58	45·2	—	—	37·3	—	—	—	—	—	—	—	—	—
E	65	—	—	—	—	—	26·8	—	—	—	25·5	6·7	51·2	13·3	2½	1½
D	39½	—	—	—	—	—	31·2	—	—	P	20·4	6·5	38·3	13·3	F	F
R 306 C_1	—	−1	1·58	64·8	11·6	2·7	16·5	24·3	56·5	P	—	—	—	—	—	—
C_2	—	−1	1·58	35·2	—	—	48·4	—	—	—	—	—	—	—	—	—
C	39	—	—	—	—	—	27·7	—	—	—	34·9	7·4	58·8	12·1	1½	F
B_1+B_3	—	−1	1·58	82·8	12·8	2·7	10·2	30·9	56·2	2	—	—	—	—	—	—
B_3	—	−1	1·58	17·2	—	—	36·4	—	—	—	—	—	—	—	—	—
B	21	—	—	—	—	—	14·6	—	—	—	71·9	5·7	83·8	8·2	3½	2½
A	61	—	—	—	—	2·2	25·4	22·4	50·0	F	22·0	10·4	62·9	16·2	1½	F

BOORGAT 98 : HIEROMTRENT 1359 : BOREHOLE 98

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sand	2	0	2	0	Sand.
Ouklip	3	0	5	0	Laterite.
Moddersteen, liggeel, onderste 2 voet skalieagtig (verweer).	69	6	74	6	Mudstone, light-yellow, bottom 2 feet shaly (weathered).
Skalie en steenkool	22	5	—		Shale and coal.
Steenkool	1	6	—		**Coal.**
Skalie, vaal, kleiagtig	3	6	—		Shale, grey, clayey.
Skalie en steenkool	2	2	106	5	Shale and coal.
Steenkool en skalie	5	9	—		**Coal** and shale.
Steenkool, met 3 dm. skalie naby bo-ent.	2	3	—		**Coal,** with 3 in. shale near top.
Skalie en steenkool	4	4	—		Shale and coal.
Glanskool, gelaag, effens skalieagtig; ongeveer 11 dm. kernverlies.	2	7	121	11	**Coal,** bright, banded, slightly shaly; approximately 11 in. core-loss.
Skalie, met 'n bietjie steenkool, en glyvlakke in middel.	4	0	126	0	Shale, with a little coal and slip planes in middle.
Steenkool; hoofsaaklik glanskool; piriethoudend veral na onder; skalieagtig in boonste en onderste paar duim.	3	3	129	3	**Coal;** mainly banded, bright coal; pyritic especially towards bottom; shaly in top and bottom few inches.
Skalie en steenkool	1	4	—		Shale and coal.
Glanskool, met twee 1-dm. skalielagies 7 dm. en 26 dm. van onder af.	3	10	—		**Coal,** bright, with two 1-in. shale bands 7 in. and 26 in. from bottom.
Skalie, swart, met steenkoollagies.	10	10	—		Shale, black, with coal bands.
Steenkool	1	11	—		**Coal.**
Skalie en steenkool		6	—		Shale and coal.
Steenkool	3	9	—		**Coal.**
Skalie		6	—		Shale.
Steenkool, skalieagtig, veral na onder.	1	5	—		**Coal,** shaly, especially towards bottom.
Skalie		6	—		Shale.
Steenkool, minderwaardig in middel.	4	0	—		**Coal,** inferior in middle.
Skalie en steenkool		11	—		Shale and coal.
Skalie, vaal, kleiagtig	5	7	164	11	Shale, grey, clayey.
Skalie en steenkool	16	3	182	0	Shale and coal.
Steenkool en skalie	1	7	—		**Coal** and shale.
Skalie, met dun steenkoollagies	7	11	—		Shale, with thin coal bands.
Skalie en steenkool; hoofsaaklik skalie.	18	4	—		Shale and coal; mainly shale.
Steenkool, erg sideriethoudend.	1	6	—		**Coal,** very sideritic.
Skalie en steenkool; hoofsaaklik skalie.	10	6	—		Shale and coal; mainly shale.
Steenkool	1	10	—		**Coal.**
Skalie en steenkool; hoofsaaklik skalie, met 'n bietjie steenkoolagtige skalie en swaar matkool in onderste deel; baie glyvlakke kom voor 46 voet van bo af; onderste 2 voet 7 duim is vaal en fossieldraend.	111	1	—		Shale and coal; mainly shale, with a little coaly shale and heavy dull coal in bottom portion; many slip planes appear 46 feet from top; bottom 2 feet 7 inches is grey and fossiliferous.
Skalie, skalieagtige matkool en swaar matkool, met glyvlakke.	6	1	—		Shale, shaly dull coal and heavy dull coal, with slip planes.
Skalie, ligbruin, vol glyvlakke	7	3	—		Shale, light-brown, full of slip planes.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie, swart en ligbruin	2	9	—		Shale, black and light-brown.
Skalie, met 'n steenkoollagie ...	3	5	358	9	Shale, with a coal band.
Steenkool; hoofsaaklik matkool, met koolstofhoudende skalielae en skalieagtige steenkoollae en 'n 3-dm. piriet- en kalsiethoudende laag 6 voet van bo af.	7	10	—		**Coal**; mainly dull coal, with carbonaceous shale bands and shaly coal bands and a 3-in. pyritic and calcitic band 6 feet from top.
Steenkool; hoofsaaklik matkool; plek-plek skalieagtig, met heelwat lagies gemengde steenkool en 'n paar piriethoudende insluitsels.	17	2	—		**Coal**; mainly dull coal; shaly in places, with several bands of mixed coal and a few pyritic inclusions.
Steenkool, gemeng, meer glansend na onder, met baie vitrietlagies.	4	2	387	11	**Coal**, mixed, brighter towards bottom, with many vitrain bands.
Sandsteen, fyngelaag, vaal tot swart, mikadraend, effens kruisgelaag, met grofkorrelrige lagies in onderste 2 vt. 6 dm.	11	2	399	2	Sandstone, finely banded, grey to black, micaceous, slightly cross-bedded, with coarse-grained bands in bottom 2 ft. 6 in.
Steenkool, gemeng; hoofsaaklik matkool, met 1 dm. vitriet by onderent; effens piriethoudend.	1	3	—		**Coal**; mixed; mainly dull coal, with 1 in. vitrain at bottom; slightly pyritic.
Skalie, koolstofhoudend, en minderwaardige matkool, om die beurt.	1	1	—		Shale, carbonaceous, alternating with inferior dull coal.
Steenkool; hoofsaaklik matkool; effens glansend, met twee 2-dm. minderwaardige kalsiet- en piriethoudende lagies 25 dm. en 38 dm. van bo af en 'n 3½-dm. soortgelyke lagie by onderent.	5	6½	—		**Coal**; mainly dull coal, with a slight lustre and two 2-in. inferior calcitic and pyritic bands 25 in. and 38 in. from top and a 3½-in. similar band at bottom.
Steenkool; hoofsaaklik matkool; effens glansend, met enkele glanskoollagies; 1 dm. skalie 6 dm. van bo af, 4 dm. erg kalsiethoudende, minderwaardige steenkool 38 dm. van bo af en 3 dm. skalie en piriethoudende sandsteen 9 dm. van onder af; enkele pirietlagies is teenwoordig; glyvlakke kom voor in onderste helfte veral in onderste 46 dm.	7	3½	414	4	**Coal**; mainly dull coal, with a slight lustre and occasional bright coal bands; 1 in. shale 6 in. from top, 4 in. very calcitic, inferior coal 38 in. from top and 3 in. shale and pyritic sandstone 9 in. from bottom; occasional pyrite bands are present; slip planes appear in bottom half, especially in bottom 46 in.
Sandsteen, fynkorrelrig, vaal, donkervaal, ligbruin en vuilwit; onderste helfte is kruisgelaag; grofkorrelrige dele in derste 5 vt.	30	6	—		Sandstone, fine-grained, grey, dark-grey, light-brown and dirty white; bottom half cross-bedded; coarse-grained portions in bottom 5 ft.
Sandsteen, middelkorrelrig tot grintagtig, grys en swart, met 'n 3-vt. golfvormige, kruisgelaagde, skalieagtige deel in middel.	18	4	463	2	Sandstone, medium-grained to gritty, grey and black, with a 3-ft. cross-bedded, shaly, wavy portion in middle.
Matkool	1	0	—		**Coal**, dull.
Sandsteen, grofkorrelrig, koolstofhoudend.	1	0	—		Sandstone, coarse-grained, carbonaceous.
Matkool, glansend	2	0	467	2	**Coal**, dull, lustrous.
Sandsteen, fynkorrelrig, gelaag, vaalswart tot swart.	3	4	470	6	Sandstone, fine-grained, laminated, greyish black to black.

BOORGAT 98 : HIEROMTRENT 1359 : BOREHOLE 98

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. In.	*Vt. Dm. Ft. In.*	
R 296	N.G.	48	126 0	N.S.
A	Steenkool; hoofsaaklik gelaagde glanskool; piriethoudend veral na onder; skalieagtig in boonste en onderste paar duim.	39	129 3	Coal; mainly banded bright coal; pyritic especially towards bottom; shaly in top and bottom few inches.
R 297	N.G.	41	358 9	N.G.
C	Steenkool; hoofsaaklik matkool, met koolstofhoudende skalielae en skalieagtige steenkoollae en 'n 3-dm. erg piriet- en kalsiethoudende laag 6 voet van bo af.	94	—	Coal; mainly dull coal, with carbonaceous shale bands and shaly coal bands and a 3-in. very pyritic and calcitic band 6 feet from top.
B	Steenkool; hoofsaaklik matkool, plek-plek skalieagtig, met heelwat lagies gemengde steenkool en 'n paar piriethoudende insluitsels.	206	—	Coal; mainly dull coal; shaly in places, with several bands of mixed coal and a few pyritic inclusions.
A	Steenkool, gemeng, meer glansend na onder, met baie vitrietlagies.	50	387 11	Coal, mixed, bright towards bottom, with many vitrain bands.
	NOTA: Weens die feit dat 'n sekere deel van die kern in die kernkas deurmekaar geraak het, sluit monster B daardie deel van die kern in. Geen glyvlakke is tussen 358 vt. 9 dm. en 387 vt. 11 dm. gevind nie.			NOTE: Owing to mixing up of a certain portion of the core in the core box, sample B was taken to cover that portion of the core. No slip planes occur between 358 ft. 9 in. and 387 ft. 11 in.
R 298	N.G.	134	399 2	N.S.
C	Steenkool, gemeng; hoofsaaklik matkool, met 1 dm. vitriet by onderent; effens piriethoudend.	15	—	Coal, mixed; mainly dull coal, with 1 in. vitrain at bottom; slightly pyritic.
	N.G.	13	—	N.S.
B	Steenkool; hoofsaaklik matkool; effens glansend, met twee 2-dm. minderwaardige kalsiet- en piriethoudende lagies 25 dm. en 38 dm. van bo af en 'n 3½-dm. soortegelyke lagie by onderent.	66½	—	Coal; mainly dull coal, with a slight lustre, and two 2-in. inferior calcitic and pyritic bands 25 in. and 38 in. from top and a 3½-in. similar band at bottom.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
A	**Steenkool**; hoofsaaklik matkool; effens glansend, met enkele glankoollagies; 1 dm. skalie 6 dm. van bo af, 4 dm. erg kalsiethoudende, minderwaardige steenkool 38 dm. van bo af en 3 dm. skalie en piriethoudende sandsteen 9 dm. van onder af; enkele pirietlagies is teenwoordig; glyvlakke kom voor in die onderste helfte veral in onderste 46 dm.	87½	414 4	**Coal**; mainly dull coal, with a slight lustre and occasional bright coal bands; 1 in. shale 6 in. from top, 4 in. very calcitic, inferior coal 38 in. from top and 3 in. shale and pyritic sandstone 9 in. from bottom; occasional pyrite bands are present; slip planes appear in the bottom half especially in bottom 46 in.
	NOTA: Hierdie boorgat is geboor spesiaal met die doel om inligting te kry van die onderste drie steenkoollae. As gevolg hiervan is 'n noukeurige beskrywing van die kern en analises van die glanskool nie onderneem nie.			NOTE: This hole was drilled especially with the purpose of obtaining information of the bottom three seams. A detailed description of the core and analyses of the bright coal were consequently not undertaken.

BOORGAT 98 : HIEROMTRENT 1359 : BOREHOLE 98

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (—16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (—16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H₂O %	As Ash %	Vlugtige be-standdele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	Dryfsel Float 1·45	Dryfsel Float 1·58
R 296 A₁	—	−1	1·45	66·1	12·2	2·0	16·6	34·3	47·1	4	—	—	—	—	—	—
A₂	—	−1	1·45	33·9	—	—	35·4	—	—	—	—	—	—	—	—	—
A	39	—	—	—	—	—	23·0	—	—	—	52·7	8·7	77·1	14·4	4½	4
R 297 C	94	—	—	—	—	—	36·5	—	—	P	21·8	6·8	38·0	10·3	P	P
B₁	—	−1	1·58	57·2	12·4	1·7	13·9	21·0	63·4	F	—	—	—	—	—	—
B₂	—	−1	1·58	42·8	—	—	32·5	—	—	—	—	—	—	—	—	—
B	206	—	—	—	—	—	21·9	—	—	—	41·5	6·9	70·7	11·0	F	P
A₁	—	−1	1·58	92·2	13·5	1·8	8·2	27·7	62·3	1½Ag	—	—	—	—	—	—
A₂	—	−1	1·58	7·8	—	—	36·1	—	—	—	—	—	—	—	—	—
A	50	—	—	—	—	—	10·3	—	—	—	80·3	5·4	91·5	7·0	1½Ag	1½Ag
R 298 C	15	—	—	—	13·0	1·5	11·8	24·9	61·8	1Ag	71·7	6·0	92·6	8·3	1Ag	1Ag
B₁	—	−1	1·58	79·9	12·2	1·7	15·9	22·6	59·8	F	—	—	—	—	—	—
B₂	—	−1	1·58	20·1	—	—	37·3	—	—	—	—	—	—	—	—	—
B	66½	—	—	—	—	—	20·2	—	—	—	39·9	8·8	75·0	12·5	1½Ag	1Ag
A₁	—	−1	1·58	76·9	12·6	1·7	13·8	24·5	60·0	1½Ag	—	—	—	—	—	—
A₂	—	−1	1·58	23·1	—	—	45·2	—	—	—	—	—	—	—	—	—
A	87½	—	—	—	—	—	23·1	—	—	—	50·3	7·8	74·8	11·4	1Ag	1Ag

BOORGAT 99 : MC CABES VLEY 1371 : BOREHOLE 99

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Sand	2	0	2	0	Sand.
Moddersteen, vaalblou en vaal, met baie skuins breukvlakke.	181	7	183	7	Mudstone, greyish blue and grey, with many inclined cleavage planes.
Skalie, koolstofhoudend		9	184	4	Shale, carbonaceous.
Glanskool, gelaag, skalieagtig by bo- en onderent, en piriethoudend in onderste helfte.	2	7	—		**Coal**, bright, banded, shaly at top and bottom and pyritic in bottom half.
Skalie, ligvaal en kleiagtig, met twee glyvlakke.	5	6	—		Shale, light-grey and clayey, with two slip planes.
Skalie en gelaagde glanskool; piriethoudend.		6	—		Shale and banded bright coal; pyritic.
Glanskool, gelaag, met dun skalielagies.		7½	—		**Coal**, bright, banded, with thin shale bands.
Skalie, vaalswart		5½	194	0	Shale, greyish black.
Glanskool, gelaag; skalieagtig en piriethoudend na bo.	1	5	195	5	**Coal**, bright, banded; shaly and pyritic towards top.
Skalie, lig- en donkervaal ...	2	11	—		Shale, light- and dark-grey.
Glanskool, gelaag, met baie skalielagies en effens piriethoudend.	1	3	—		**Coal**, bright, banded, with many shale bands and slightly pyritic.
Skalie, vaal tot swart, met glanskoollagies in boonste helfte; baie glyvlakke kom voor (9 dm. kernverlies).	3	0	203	4	Shale, grey to black, with bright coal bands in top half; many slip planes are present (9 in. core-loss).
Steenkool; hoofsaaklik gelaagde glanskool, met vier 2½-dm. tot 3-dm. duidelik merkbare skalielae 1½ dm., 20 dm., 32 dm. en 47 dm. van bo af respektiewelik; glyvlak 20 dm. van bo af (4 dm. kernverlies).	6	2	209	10	**Coal**; mainly banded, bright, coal, with four 2½-in. to 3-in. well-defined shale bands 1½ in., 20 in., 32 in. and 47 in. from top respectively; slip plane 20 in. from top (4 in. core-loss).
Skalie, vaal tot donkerkleurig, met 1 dm. piriet by bo-ent.	4	3	—		Shale, grey to dark-coloured, with 1 in. pyrite at top.
Skalie en tussengelaagde glanskool.	3	7	—		Shale and interbanded bright coal.
Skalielae, breed, en gelaagde breë glanskoollae.	2	6	220	2	Shale bands, broad, and broad bands of banded bright coal.
Glanskool, gelaag; skalieagtig in middel.	2	4	222	6	**Coal**, bright, banded; shaly in middle.
Skalie, met enkele vitrietlagies tot 1 dm. dikte.	2	7	225	1	Shale, with occasional vitrain bands up to 1 in. in thickness.
Glanskool, gelaag, met dun skalielagies in boonste 14 dm. en 1 dm. skalie 2 dm. van onder af; piriethoudend.	4	7	—		**Coal**, bright, banded, with thin shale bands in top 14 in. and 1 in. shale 2 in. from bottom; pyritic.
Skalie, swart	1	3	230	11	Shale, black.
Glanskool, gelaag, skalieagtig; erg kalsiethoudend in onderste 5 dm.	4	10	—		**Coal**, bright, banded, shaly; very calcitic in bottom 5 in.
Glanskool, gelaag; onderste 2 dm. skalieagtig.	1	10	—		**Coal**, bright, banded; bottom 2 in. shaly.
Skalie, met glanskoollagies in middel.	1	0	—		Shale, with bright coal bands in middle.
Glanskool, gelaag, effens piriethoudend, met 3 dm. en 1 dm. skalie 23 dm. en 39 dm. van bo af respektiewelik.	6	7	245	2	**Coal**, bright, banded, slightly pyritic, with 3 in. and 1 in. shale 23 in. and 39 in. from top respectively.

Bg. 99 (*Verv.*) B.H. 99 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Skalie, swart en donkervaal, met baie glyvlakke.	8 9	253 11	Shale, black and dark-grey, with many slip planes.
Glanskool, gelaag, skalieagtig in boonste helfte.	2 5	—	**Coal,** bright, banded, shaly in top half.
Skalie, swart	5	—	Shale, black.
Glanskoollae, breed, en breë skalielae, om die beurt; hoofsaaklik glanskool.	2 11	—	**Coal,** bright broad bands, alternating with broad shale bands; mainly bright coal.
Glanskool, gelaag, piriethoudend, sideriethoudend in onderste 11 dm.	2 2	—	**Coal,** bright, banded, pyritic, sideritic in bottom 11 in.
Sideriet en steenkool	6	—	Siderite and coal.
Glanskool, gelaag, skalieagtig, piriet- en sideriethoudend.	7	—	**Coal,** bright, banded, shaly, pyritic and sideritic.
Skalie, swart, met twee 4-dm. tot 6-dm. steenkoollae.	9 0	—	Shale, black, with two 4-in. to 6-in. coal bands.
Glanskool, gelaag, piriethoudend, skalieagtig in boonste 12 dm.	2 1	274 0	**Coal,** bright, banded, pyritic, shaly in top 12 in.
Skalie, swart	2 7	—	Shale, black.
Skalie en glanskool, gemeng ...	1 11	—	Shale and bright coal, mixed.
Glanskool, gelaag, piriethoudend.	1 1	—	**Coal,** bright, banded, pyritic.
Skalie en tussengelaagde gelaagde glanskool, met baie glyvlakke in boonste helfte.	6 5	—	Shale and interbanded banded bright coal, with many slip planes in top half.
Skalie en tussengelaagde gelaagde glanskool; onderste helfte bestaan uit breër lae en steenkool hier is kalsiet- en sideriethoudend.	13 3	—	Shale and interbanded banded bright coal; bottom half consists of broader bands and coal here is calcitic and sideritic.
Glanskool, gelaag, pikagtig ...	8	—	**Coal,** bright, banded, pitch-like.
Skalie, met elf 1-dm. tot 4-dm. steenkoollae.	8 10	—	Shale, with eleven 1-in. to 4-in. coal bands.
Skalie, tussengelaag met gelaagde glanskool; sideriethoudend.	1 10	—	Shale, interbanded with banded bright coal; sideritic.
Skalie, swart, met sewe 1-dm. tot 7-dm. steenkoollae sommige waarvan sideriethoudend is en een 11-dm. erg sideriethoudende steenkoollaag.	9 6	—	Shale, black, with seven 1-in. to 7-in. coal bands some of which are sideritic and one 11-in. very sideritic coal band.
Skalie, tussengelaag, met gelaagde glanskool; effens piriethoudend.	1 10	—	Shale, interbanded with banded bright coal; slightly pyritic.
Skalie, swart, met sewe 1-dm. tot 4-dm. steenkoollagies, en tussengelaagde steenkool en skalie in onderste 10 dm.	3 8	—	Shale, black, with seven 1-in. to 4-in. coal bands, and interbanded coal and shale in bottom 10 in.
Skalie, swart, met vier dun steenkoollagies.	1 9½	327 5½	Shale, black, with four thin coal bands.
Glanskool, gelaag, effens sideriethoudend.	1 6½	—	**Coal,** bright, banded, slightly sideritic.
Sideriet en erg sideriethoudende steenkool.	10½	—	Siderite and very sideritic coal.
Skalie, vaal tot swart	7½	—	Shale, grey to black.
Glanskool, gelaag, met enkele dun skalielagies en ’n bietjie piriet.	10	—	**Coal,** bright, banded, with occasional thin shale bands and a little pyrite.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Skalie, swart, en koolstofhoudende skalie, met elf 2-dm. tot 9-dm. steenkoollagies; sommige sideriethoudend; glyvlak 9 dm. van onder af.	16 5	—	**Shale,** black, and carbonaceous shale, with eleven 2-in. to 9-in. coal bands; some sideritic; slip plane 9 in. from bottom.
Glanskool, gelaag, sideriethoudend, met twee dun skalielagies.	1 10	—	**Coal,** bright, banded, sideritic, with two thin shale bands.
Skalie, swart, en koolstofhoudende skalie, met sewentien 2-dm. tot 8-dm. steenkoollae sommige waarvan sideriethoudend is en 2 voet gemengde steenkool en skalie 7 voet van bo af.	32 5	—	Shale, black, and carbonaceous shale, with seventeen 2-in. to 8-in. coal bands some of which are sideritic and 2 feet mixed coal and shale 7 feet from top.
Glanskool, gelaag	1 3	383 3	**Coal,** bright, banded.
Skalie, swart, en koolstofhoudende skalie, met tien 2-dm. tot 8-dm. steenkoollae sommige waarvan sideriethoudend is.	16 3	—	Shale, black, and carbonaceous shale, with ten 2-in. to 8-in. coal bands some of which are sideritic.
Skalie, steenkoolagtig en taamlik homogeen.	12 7	412 1	Shale, coaly and fairly homogeneous.
Steenkool; hoofsaaklik minderwaardige matkool; taamlik homogeen.	6 2	—	**Coal;** mainly inferior dull coal; fairly homogeneous.
Steenkool; hoofsaaklik glanskool, met skalieagtige lagies.	1 11	420 2	**Coal;** mainly bright coal, with shaly bands.
Skalie, koolstofhoudend, en gelaagde glanskool, om die beurt.	1 10	—	Shale, carbonaceous, alternating with banded bright coal.
Matkool, skalieagtig	1 2	—	**Coal,** dull, shaly.
Skalie, swart; onderste 6 dm. steenkoolagtig.	1 8	—	Shale, black; bottom 6 in. coaly.
Skalie, vaal, kleiagtig, fossieldraend.	10	—	Shale, grey, clayey, fossiliferous.
Sandsteen, fynkorrelrig, ligkleurig tot vaal.	1 4	—	Sandstone, fine-grained, light-coloured to grey.
Skalie, ligvaal, fossieldraend ...	1 2	—	Shale, light-grey, fossiliferous.
Skalie, swart, en koolstofhoudende skalie; plek-plek met steenkoolagtige skalie.	28 0	—	Shale, black, and carbonaceous shale, with coaly shale in parts.
Skalie, ligbruin, swart na onder en kleiagtig in boonste helfte.	2 2	—	Shale, light-brown, black towards bottom and clayey in top half.
Skalie en steenkool, gemeng ...	2	—	Shale and coal, mixed.
Skalie, ligbruin, donkerkleurig na onder.	1 7	—	Shale, light-brown, dark-coloured towards bottom.
Skalie, swart, met steenkoolstrepies na onder.	2 6	—	Shale, black, with coal streaks towards bottom.
Sandsteen, ligkleurig tot bruin en swart, fynkorrelrig, met enkele steenkoolstrepies.	7	—	Sandstone, light-coloured to brown and black, fine-grained, with occasional coal streaks.
Skalie, bruinagtig, met baie kwartskorrels.	11	—	Shale, brownish, with many quartz grains.
Matkool, erg piriethoudend ...	11	—	**Coal,** dull, very pyritic.
Steenkool; hoofsaaklik matkool; erg piriethoudend naby middel.	2 11	—	**Coal;** mainly dull coal; very pyritic near middle.
Skalie, steenkoolagtig	1 2	469 1	Shale, coaly.
Matkool, glansend	3 1	—	**Coal,** dull, lustrous.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Skalie en steenkoolagtige skalie.	1	3½	—		Shale and coaly shale.
Matkool, glansend, piriethoudend naby bo-ent, met baie kalsiet en glyvlakke in onderste 12 dm. en 'n 4-dm. kalsiethoudende skalie laag 12 dm. van onder af.	3	5	—		**Coal,** dull, lustrous, pyritic at top, with many calcite veins and slip planes in bottom 12 in. and a 4-in. calcitic shaly band 12 in. from bottom.
Skalie, koolstofhoudend, erg piriethoudend.		6	—		Shale, carbonaceous, very pyritic.
Steenkool, gemeng, erg piriethoudend.	2	0	—		**Coal,** mixed, very pyritic.
Steenkool; hoofsaaklik glanskool; erg piriethoudend.	2	0½	481	5	**Coal;** mainly bright coal; very pyritic.
Sandsteen, gelaag, erg fynkorrelrig, donkervaal, mikadraend, met 'n paar middelkorrelrige lagies in onderste 18 dm.; boonste paar duim is gebrokkel weens glyvlakke.	5	3	486	8	Sandstone, laminated, very fine-grained, dark-grey, micaceous, with a few medium-grained bands in bottom 18 in.; top few inches are crumbled due to slip planes.
Sandsteen, koolstofhoudend ...		2	—		Sandstone, carbonaceous.
Steenkool; hoofsaaklik glanskool.		9	—		**Coal;** mainly bright coal.
Sandsteen, koolstofhoudend ...		3	—		Sandstone, carbonaceous.
Skalie, steenkoolagtig, en ska-agtige steenkool.		10	488	8	Shale, coaly, and shaly coal.
Steenkool; hoofsaaklik matkool, met enkele glanskoollae na onder; piriethoudend in onderste 2 voet; bevat drie 1-dm. tot 2-dm. skalieagtige lae.	5	6	—		**Coal;** mainly dull coal, with occasional bright coal bands towards bottom; pyritic in bottom 2 feet; contains three 1-in. to 2-in. shaly bands.
Matkool, met enkele glanskoollae; plek-plek skalieagtig en piriethoudend.	3	8	—		**Coal,** dull, with occasional bright coal bands; shaly and pyritic in parts.
Steenkool; hoofsaaklik matkool; piriethoudend, met 'n 2-dm. skalieagtige, kalsiethoudende laag 3 dm. van bo af en 'n 4-dm. soortgelyke laag 36 dm. van bo af.	4	6	502	4	**Coal;** mainly dull coal; pyritic, with a 2-in. shaly, calcitic band 3 in. from top and a 4-in. similar band 36 in. from top.
Sandsteen, erg fynkorrelrig tot skalieagtig, gelaag, mikadraend, ligvaal, donkervaal en vaalbruin.	4	1	—		Sandstone, very fine-grained to shaly, laminated, micaceous, light-grey, dark-grey and greyish brown.
Sandsteen, gelaag, effens kruisgelaag, erg fynkorrelrig, ligbruin, ligvaal, plek-plek witagtig, mikadraend (4 vt. 3 dm. kern verloor).	15	4	526	0	Sandstone, laminated, slightly cross-bedded, very fine-grained, light-brown, light-grey, whitish in places, micaceous (4 ft. 3 in. core lost).
Sandsteen, fyn- tot middelkorrelrige, vaal tot swart lagies en swart skalieagtige sandsteenlagies, om die beurt.	7	11	—		Sandstone, fine- to medium-grained, grey to black bands alternating with black, shaly sandstone bands.
Sandsteen, fyn- tot middelrelrig, witvaal (3 dm. kernverlies).	1	7	535	9	Sandstone, fine- tot medium-grained, whitish grey (3 in. core-loss).
Matkool, met 2 dm. skalie by bo-ent.	1	3	537	0	**Coal,** dull, with 2 in. shale at top.
Sandsteen, swart, koolstofhoudend.		2	—		Sandstone, black, carbonaceous.
Sandsteen, piriethoudend ...		4	—		Sandstone, pyritic.
Sandsteen, fynkorrelrig, swart.		4	—		Sandstone, fine-grained, black.

Bg. 99 (*Verv.*) B.H. 99 (*Contd.*)

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Matkool, met glyvlakke	2	—	Coal, dull, with slip planes.
Sandsteen, erg fynkorrelrig, mikadraend, swartbruin, glyvlak by onderent.	11	—	Sandstone, very fine-grained, micaceous, blackish brown, slip plane at bottom.
Sandsteen, middelkorrelrig, vaalwit.	2 6	—	Sandstone, medium-grained, greyish white.
Skalie en matkool, met 'n glyvlak by bo-ent.	5	541 7	Shale and dull coal, with a slip plane at top.

BOORGAT 99 : MC CABES VLEY 1371 : BOREHOLE 99

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
R 307	N.G.	9	184 4	N.S.
B	Glanskool, gelaag, skalieagtig by bo-ent en onderent en piriethoudend in onderste helfte.	31	—	Coal, bright, banded, shaly at top and bottom and pyritic in bottom half.
	N.G.	72	—	N.S.
A	Glanskool, gelaag, met dun skalielagies.	7½	—	Coal, bright, banded, with thin shale bands.
	N.G.	5½	—	N.S.
	Glanskool, gelaag, skalieagtig en piriethoudend na bo.	17	195 5	Coal, bright, banded, shaly and pyritic towards top.
R 308	N.G.	36	203 4	N.S.
B	Steenkool; hoofsaaklik gelaagde glanskool, met vier 2½-dm. tot 3-dm. duidelik merkbare skalielae 1½ dm., 20 dm., 32 dm. en 47 dm. van bo af respektiewelik (4 dm. kernverlies).	74	—	Coal; mainly banded, bright coal, with four 2½-in. to 3-in. well-defined shale bands 1½ in., 20 in., 32 in. and 47 in. from top respectively (4 in. core-loss).
	N.G.	124	—	N.S.
A	Glanskool, gelaag, skalieagtig in middel.	28	222 6	Coal, bright, banded, shaly in middle.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
R 309	N.G.	31	225 1	N.S.
D	**Glanskool,** gelaag, met dun skalielagies in boonste 14 dm. en 1 dm. skalie 2 dm. van onder af; piriethoudend.	55	—	**Coal,** bright, banded, with thin shale bands in top 14 in. and 1 in. shale 2 in. from bottom; pyritic.
	N.G.	15	—	N.S.
C	**Glanskool,** gelaag, skalieagtig, erg kalsiethoudend in onderste 5 dm.	58	—	**Coal,** bright, banded, shaly, very calcitic in bottom 5 in.
B	**Glanskool,** gelaag, onderste 2 dm. skalieagtig	22	—	**Coal,** bright, banded, bottom 2 in. shaly.
	N.G.	12	—	N.S.
A	**Glanskool,** gelaag, effens piriethoudend, met 3 dm. en 1 dm. skalie 23 dm. en 39 dm. van bo af respektiewelik.	79	245 2	**Coal,** bright, banded, slightly pyritic, with 3 in. and 1 in. shale 23 in. and 39 in. from top respectively.
R 310	N.G.	105	253 11	N.S.
C	**Glanskool,** gelaag, skalieagtig in boonste helfte.	29	—	**Coal,** bright, banded, shaly in top half.
	N.G.	40	—	N.S.
B	**Glanskool,** gelaag, piriethoudend, sideriethoudend in onderste 11 dm.	26	—	**Coal,** bright, banded, pyritic, sideritic in bottom 11 in.
	N.G.	121	—	N.S.
A	**Glanskool,** gelaag, piriethoudend, skalieagtig in boonste 12 dm.	25	274 0	**Coal,** bright, banded, pyritic, shaly in top 12 in.
R 312	N.G.	21½	327 5½	N.S.
	Glanskool, gelaag, effens sideriethoudend.	18½	—	**Coal,** bright, banded, slightly sideritic.
	N.G.	18	—	N.S.
C	**Glanskool,** gelaag, met enkele dun skalielagies en 'n bietjie piriet.	10	—	**Coal,** bright, banded, with occasional thin shale bands and a little pyrite.
	N.G.	197	—	N.S.
B	**Glanskool,** gelaag, sideriethoudend, met twee dun skalielagies.	22	—	**Coal,** bright, banded, sideritic, with two thin shale bands.
	N.G.	389	—	N.S.
A	**Glanskool,** gelaag ...	15	383 3	**Coal,** bright, banded.
R 313	N.G.	151	412 1	N.S.
B	**Steenkool;** hoofsaaklik minderwaardige matkool; taamlik homogeen.	74	—	**Coal;** mainly inferior dull coal; fairly homogeneous.
A	**Steenkool;** hoofsaaklik glanskool, met skalieagtige lagies.	23	420 2	**Coal;** mainly bright coal, with shaly bands.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
R 314	N.G.	14	469 1	N.S.
C	**Matkool, glansend** ...	37	—	**Coal, dull, lustrous.**
	N.G.	15½	—	N.S.
B	**Matkool,** glansend, piriethoudend by boent, met baie kalsietare en glyvlakke in onderste 12 dm.; 'n 4-dm. kalsiethoudende skalielaag 12 dm. van onder af.	41	—	**Coal,** dull, lustrous, pyritic at top, with many calcite veins and slip planes in bottom 12 in.; a 4-in. calcitic shale band 12 in. from bottom.
	N.G.	6	—	N.S.
A	**Steenkool,** gemeng, erg piriethoudend.	24	—	**Coal,** mixed, very pyritic.
	Steenkool; hoofsaaklik glanskool; erg piriethoudend.	24½	481 5	**Coal;** mainly bright coal; very pyritic.
R 315	N.G.	10	488 8	N.S.
C	**Steenkool;** hoofsaaklik matkool, met enkele glanskoollae na onder; piriethoudend in onderste 2 voet; bevat drie 1-dm. tot 2-dm. skalieagtige lae.	66	—	**Coal;** mainly dull coal, with bright coal bands towards bottom; pyritic in bottom 2 feet; contains three 1-in. tot 2-in. shaly bands.
B	**Matkool,** met enkele glanskoollae; plek-plek skalieagtig en piriethoudend.	44	—	**Coal,** dull, with occasional bright coal bands; shaly and pyritic in places.
A	**Steenkool;** hoofsaaklik matkool; piriethoudend, met 'n 2-dm. skalieagtige, kalsiethoudende laag 3 dm. van bo af en 'n 4-dm. soortgelyke laag 36 van bo af.	54	502 4	**Coal;** mainly dull coal; pyritic, with a 2-in. shaly, calcitic band 3 in. from top and a 4-in. similar band 36 in. from top.

BOORGAT 99 : MC CABES VLEY 1371 : BOREHOLE 99

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Dryfsel, 1·45 Float, 1·45 Op-brengs Yield %	Dryfsel, 1·45 Float, 1·45 As Ash %	Dryfsel, 1·58 Float, 1·58 Op-brengs Yield %	Dryfsel, 1·58 Float, 1·58 As Ash %	Sw.-syfer Swelling number Dryfsel Float 1·45	Sw.-syfer Swelling number Dryfsel Float 1·58
R 307 B	31	—	—	—	—	2·3	29·1	32·6	36·0	3	52·4	11·5	66·6	16·8	4½	4
A	24½	—	—	—	—	2·6	25·4	31·4	40·6	3½	47·3	9·9	72·7	16·8	4	3½
R 308 B_1	—	−1	1·45	44·2	—	3·0	17·1	33·8	46·1	4	—	—	—	—	—	—
B_2	—	−1	1·45	55·8	—	—	51·2	—	—	—	—	—	—	—	—	—
B	74	—	—	—	—	—	36·1	—	—	—	42·8	10·8	55·1	14·8	4½	4½
A_1	—	−1	1·45	53·4	—	2·8	17·6	34·1	45·5	3½	—	—	—	—	—	—
A_2	—	−1	1·45	46·6	—	—	45·1	—	—	—	—	—	—	—	—	—
A	28	—	—	—	—	—	30·3	—	—	—	46·9	8·4	60·5	13·2	4	3
R 309 D_1	—	−1	1·45	60·3	—	2·9	13·7	34·6	48·8	4	—	—	—	—	—	—
D_2	—	−1	1·45	39·7	—	—	41·4	—	—	—	—	—	—	—	—	—
D	55	—	—	—	—	—	24·7	—	—	—	58·4	8·1	70·7	12·2	5	4½
C	58	—	—	—	—	—	35·7	—	—	1½	37·1	7·5	51·1	14·1	4	3½
B_1	—	−1	1·45	75·3	—	2·8	16·3	33·7	47·2	3½	—	—	—	—	—	—
B_2	—	−1	1·45	24·7	—	—	35·7	—	—	—	—	—	—	—	—	—
B	22	—	—	—	—	—	21·1	—	—	—	62·7	9·0	81·7	14·2	4½	4
A_1	—	−1	1·45	72·9	—	3·0	13·5	34·8	48·7	4	—	—	—	—	—	—
A_2	—	−1	1·45	27·1	—	—	40·7	—	—	—	—	—	—	—	—	—
A	79	—	—	—	—	—	20·9	—	—	—	72·3	9·2	78·3	11·5	5	4
R 310 C	29	—	—	—	—	2·5	29·4	28·6	39·5	—	43·8	11·5	68·2	18·0	4	3
B_1	—	−1	1·45	51·5	—	2·8	15·5	34·2	47·5	5	—	—	—	—	—	—
B_2	—	−1	1·45	48·5	—	—	36·2	—	—	—	—	—	—	—	—	—
B	26	—	—	—	—	—	25·5	—	—	—	53·6	8·6	69·1	14·0	4	5
A_1	—	−1	1·45	47·3	—	3·1	13·8	32·8	50·3	4½	—	—	—	—	—	—
A_2	—	−1	1·45	52·7	—	—	36·1	—	—	—	—	—	—	—	—	—
A	25	—	—	—	—	—	25·6	—	—	—	52·0	7·9	65·7	12·0	5	4

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H$_2$O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
R 312 C	28½	—	—	—	—	2·2	25·3	31·2	41·3	2½	52·8	10·0	71·9	14·9	5	3½
B$_1$	—	−1	1·45	38·4	—	—	—	—	—	—	—	—	—	—	—	—
B$_2$	—	−1	1·45	61·6	—	—	—	—	—	—	—	—	—	—	—	—
B	22	—	—	—	—	2·1	30·7	31·5	35·7	1½Ag	47·9	7·5	55·3	11·0	5½	4½
A	15	—	—	—	—	2·7	12·3	35·0	50·0	4	85·8	8·2	94·0	10·1	4	4
R 313 B	74	—	—	—	—	—	31·4	—	—	F	16·2	12·6	39·0	14·1	1	1
A	23	—	—	—	11·0	2·3	21·4	30·8	45·5	Ag	52·7	8·5	68·1	10·6	2½	2
R 314 C$_1$	—	−1	1·58	68·7	11·9	2·4	16·4	20·2	61·0	F	—	—	—	—	—	—
C$_2$	—	−1	1·58	31·3	—	—	41·9	—	—	—	—	—	—	—	—	—
C	37	—	—	—	—	—	24·4	—	—	—	24·6	8·4	63·9	12·9	F	P
B	41	—	—	—	—	2·6	32·2	20·7	44·5	P	9·6	8·0	41·9	16·1	—	P
A$_1$	—	−1	1·45	63·0	13·3	3·0	9·1	27·9	60·0	1½Ag	—	—	—	—	—	—
A$_2$	—	−1	1·45 —1·58	14·1	11·4	2·7	19·0	22·4	55·9	F	—	—	—	—	—	—
A$_3$	—	−1	1·58	22·9	—	—	47·9	—	—	—	—	—	—	—	—	—
A	48½	—	—	—	—	—	18·9	—	—	—	58·0	6·6	76·9	9·6	F	P
R 315 C$_1$	—	−1	1·58	79·6	—	—	—	—	—	—	—	—	—	—	—	—
C$_2$	—	−1	1·58	20·4	—	—	—	—	—	—	—	—	—	—	—	—
B$_1$	—	−1	1·58	85·3	—	—	—	—	—	—	—	—	—	—	—	—
B$_2$	—	−1	1·58	14·7	—	—	—	—	—	—	—	—	—	—	—	—
A$_1$	—	−1	1·58	78·4	—	—	—	—	—	—	—	—	—	—	—	—
A$_2$	—	−1	1·58	21·6	—	—	—	—	—	—	—	—	—	—	—	—
A$_1$B$_1$C$_1$	—	−1	1·58	80·7	12·4	2·5	14·1	24·4	59·0	Ag	—	—	—	—	—	—
A$_2$B$_2$C$_2$	—	−1	1·58	19·3	—	—	39·8	—	—	—	—	—	—	—	—	—
ABC	165	—	—	—	—	—	19·1	—	—	—	45·4	7·9	77·1	12·4	1½	1½

BOORGAT 100 : HIEROMTRENT 1359 : BOREHOLE 100

Kern 3½ dm. Core 3½ in.

Aard van lae	Dikte verkry Thickness recovered		Ware diepte True depth		Nature of strata
	Vt. *Ft.*	*Dm.* *In.*	*Vt.* *Ft.*	*Dm.* *In.*	
Grond	2	0	2	0	Soil.
Ouklip	5	0	7	0	Laterite.
Moddersteen, ligvaal tot liggeel.	83	6	90	6	Mudstone, light-grey to light-yellow.
Glanskool, met tussengelaagde skalie.	1	1	—		Coal, bright, with interbanded shale.
Skalie, vaal	3	0	—		Shale, grey.
Glanskool, plek-plek pikagtig; boonste deel is skalieagtig.	1	2	—		Coal, bright, pitch-like in parts; top portion is shaly.
Skalie en glanskool (7 dm. verloor).	1	1	98	0	Shale and bright coal (7 in. lost).
Skalie, swart		7	—		Shale, black.
Glanskool, met skalielagies	1	0	—		Coal, bright, with shale bands.
Skalielagies en glanskoollagies, om die beurt.	6	8	—		Shale bands alternating with bright coal bands.
Skalie, swart	3	6	—		Shale, black.
Glanskool, skalieagtig, met heelwat breë skalielagies.	6	3	—		Coal, bright, shaly, with several broad shale bands.
Skalielae en glanskoollae, om die beurt.	5	8	121	8	Shale bands alternating with bright coal bands.
Glanskool, breedgelaag, en koolstofhoudende skalie.		9	122	5	Coal, bright, broadly banded, and carbonaceous shale.
Glanskool, fyngelaag (4 dm. verloor).	2	7	125	4	Coal, bright, finely banded, (4 in. lost).
Skalie (2 vt. 9 dm. verloor).	1	4	129	5	Shale (2 ft. 9 in. lost).
Skalie en tussengelaagde glanskool.	2	9	—		Shale and interbanded bright coal.
Skalie	1	4	133	6	Shale.
Glanskool, gelaag, met enkele skalielagies en 'n paar knolle van kleiagtige materiaal; effens piriethoudend.	2	2	—		Coal, bright, banded, with occasional shale bands and a few nodules of clayey material; slightly pyritic.
Skalie		4	—		Shale.
Glanskool, gelaag, met 2 dm. koolstofhoudende skalie 9 dm. van bo af.	2	10	—		Coal, bright, banded, with 2 in. carbonaceous shale 9 in. from top.
Skalie		3	—		Shale.
Glanskool, gelaag, effens piriethoudend en skalieagtig na onder.	2	0	141	1	Coal, bright, banded, slightly pyritic and shaly towards bottom.
Skalie, met enkele steenkoollagies.	2	0	143	1	Shale, with occasional coal bands.
Glanskool, gelaag	1	4	—		Coal, bright, banded.
Skalie, met glanskoollagies in middel.	1	5	—		Shale, with bright coal bands in middle.
Glanskool, gelaag, piriethoudend, met dun skalielagies na bo.	1	1	—		Coal, bright, banded, pyritic, with thin shale bands towards top.
Skalie, swart	3	0	—		Shale, black.
Glanskool, gelaag, skalieagtig in boonste en onderste 3 dm.; effens piriethoudend.	2	2	—		Coal, bright, banded, shaly in top and bottom 3 in.; slightly pyritic.
Skalie, swart		5	—		Shale, black.
Glanskool, gelaag, met dun skalielagies in boonste 13 dm. en 'n 2-dm. kalsiethoudende lagie 10 dm. van onder af (2 dm. kern verloor).	2	8	155	4	Coal, bright, banded, with thin shale bands in top 13 in. and a 2-in. calcitic band 10 in. from bottom (2 in. core lost).
Skalie, swart		5	155	9	Shale, black.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Glanskool, gelaag, boonste deel is skalieagtig en onderste 2 dm. effens piriethoudend.	1 0	—	**Coal**, bright, banded, top portion is shaly and bottom 2 in. slightly pyritic.
Skalie, met 'n glyvlak by onderent.	8	—	Shale, with a slip plane at bottom.
Glanskool, gelaag	8	—	**Coal**, bright, banded.
Skalie, koolstofhoudend	4	—	Shale, carbonaceous.
Glanskool, gelaag, piriethoudend; kern gebreek, veral na onder (5 dm. kern verloor tussen 155 vt. 9 dm. en 160 vt. 8 dm.).	1 10	160 8	**Coal**, bright, banded, pyritic; core broken, especially towards bottom (5 in. core lost between 155 ft. 9 in. and 160 ft. 8 in.).
Skalie, met steenkoollagies ...	10 11	171 7	Shale, with coal bands.
Skalie en gelaagde glanskool, piriethoudend.	2 2	173 9	Shale and banded bright coal, pyritic.
Skalie en steenkool; hoofsaaklik skalie.	7 3	182 7	Shale and coal; mainly shale.
Skalielae, breed, en tussengelaagde steenkoollae (7 dm. te veel).	9 6	191 6	Shale bands, broad, and interbanded coal bands (7 in. too much).
Skalielae en steenkoollae; hoofsaaklik skalie.	47 9	239 3	Shale bands and coal bands; mainly shale.
Glanskool, gelaag, erg piriethoudend, met enkele skalielagies en baie sideriet by onderent.	1 6	—	**Coal**, bright, banded, very pyritic, with occasional shale bands and much siderite at bottom.
Skalie (2 voet op grond gemeet).	1 1	—	Shale (2 feet measured on ground).
Glanskool, gelaag, sideriet-, piriet- en kalsiethoudend, met twee 1-dm. tot 1½-dm. skalielagies.	1 10	243 8	**Coal**, bright, banded, sideritic, pyritic and calcitic, with two 1-in. to 1½-in. shale bands.
Skalie en steenkool	35 9	279 5	Shale and coal.
Skalie	3 10	283 3	Shale.
Skalielae en steenkoollae, om die beurt.	2 6	—	Shale bands and coal bands, alternating.
Skalie, koolstofhoudend	2 2	287 11	Shale, carbonaceous.
Skalie, swart, en koolstofhoudende skalie, met 'n bietjie glanskool en steenkoolagtige skalie. (Dikte verkry en diepte is twyfelagtig.)	26 0	—	Shale, black, and carbonaceous shale, with a little bright coal and coaly shale. (Thickness recovered and depth are doubtful).
Skalie, koolstofhoudend, skalieagtige steenkool en steenkoolagtige skalie. (Ongeveer 5 persent verlies.)	7 9	323 0	Shale, carbonaceous, shaly coal and coaly shale. (About 5 per cent loss.)
Glanskool, gelaag, piriet- en kalsiethoudend, met twee 1-dm. skalielagies en twee 1½-dm. lagies bruin materiaal.	2 6	325 6	**Coal**, bright, banded, pyritic and calcitic, with two 1-in. shale bands and two 1½-in. bands of brown material.
Skalie, swart, en koolstofhoudende skalie, met 'n bietjie steenkoolagtige skalie.	27 6	354 9	Shale, black, and carbonaceous shale, with a little coaly shale.
Skalie, donkerbruin	8 11	—	Shale, dark-brown.
Skalie, koolstofhoudend, steenkoolagtige skalie en skalieagtige steenkool, met twee glyvlakke.	14 2	—	Shale, carbonaceous, coaly shale and shaly coal, with two slip planes.
Matkool, met twee 3-dm. minderwaardige kleiagtige lae.	1 9	379 7	**Coal**, dull, with two 3-in. inferior, clayey bands.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Matkool, korrelrig, piriethoudend na bo en minderwaardig en kalsiethoudend in onderste 3 dm.	4 5½	—	**Coal,** dull, granular, pyritic towards top and inferior and calcitic in bottom 3 in.
Steenkool; hoofsaaklik glansende matkool, met enkele groot pirietknolle.	5 4	—	**Coal;** mainly lustrous dull coal with occasional pyrite nodules.
Steenkool, skalieagtig, en koolstofhoudende skalie.	10	—	**Coal,** shaly, and carbonaceous shale.
Steenkool; hoofsaaklik glansende matkool, met ’n 1-dm. pirietlaag in middel.	3 4	—	**Coal;** mainly lustrous dull coal, with a 1-in. pyrite band in middle.
Skalie en steenkool, gemeng ...	4	—	Shale and coal, mixed.
Steenkool; hoofsaaklik glansende matkool, met ’n bietjie gemengde steenkool en ’n groot pirietknol 5 dm. van bo af (15 dm. kernverlies tussen 379 vt. 7 dm. en 397 vt. 6 dm.).	2 4½	397 6	**Coal;** mainly lustrous dull coal, with some mixed coal and a larger pyrite nodule 5 in. from top (15 in. core-loss between 379 ft. 7 in. and 397 ft. 6 in.).
Sandsteen, fynkorrelrig, gelaag, mikadraend, bruinagtig, vaalbruin, vaal en donkerkleurig.	7 10	—	Sandstone, fine-grained, laminated, micaceous, brownish, greyish brown, grey and dark-coloured.
Sandsteenlae, grofkorrelrig, en swart, skalieagtige sandsteenlae; golfvormig gelaag.	2 6	407 10	Sandstone bands, coarse-grained, and black, shaly sandstone bands; banded in wavy layer fashion.
Steenkool; boonste 11 dm. dof en onderste 6 dm. glanskool, met dun skalielagies in onderste 2 dm.	1 5	—	**Coal;** top 11 in. dull and bottom 6 in. bright, with thin shale bands in bottom 2 in.
Skalie en sandsteen	2	—	Shale and sandstone.
Glanskool, gelaag, kalsiethoudend.	3	—	**Coal,** bright, banded, calcitic.
Skalie, steenkoolagtig, met skalieagtige sandsteen by bo-ent.	11	—	Shale, coaly, with shaly sandstone at top.
Matkool, skalieagtig na bo ...	1 7	—	**Coal,** dull, shaly towards top.
Steenkool; hoofsaaklik glansende matkool, met pirietknolle.	2 6	—	**Coal;** mainly lustrous dull coal, with pyrite nodules.
Steenkool; hoofsaaklik glanskool, met heelwat piriethoudende, skalieagtige lagies.	10	—	**Coal;** mainly bright coal, with several pyritic, shaly bands.
Steenkool; skalieagtig, met dun skalielagies naby bo-ent en ’n glyvlak in middel.	11	419 3	**Coal,** shaly, with thin shale bands near top and a slip plane in middle.
Steenkool; hoofsaaklik glansende matkool, met ’n glyvlak in middel (5 dm. kernverlies tussen 407 vt. 10 dm. en 419 vt. 3 dm.).	2 5	—	**Coal;** mainly lustrous dull coal, with a slip-plane in middle (5 in. core-loss between 407 ft. 10 in. and 419 ft. 3 in.).
Sandsteen, fynkorrelrig, gelaag, mikadraend, donkervaal, vuilvaal, vuilwit en ligbruin.	19 9	—	Sandstone, fine-grained, laminated, micaceous, dark-grey, dirty grey, dirty white and light-brown.
Sandsteen, middel- tot grofkorrelrig, vuilvaal en wit tot vaalswart, golfvormig gelaag, met baie verspreide kwartskorrels tot 6 mm. deursnee.	8 5	—	Sandstone, medium- to coarse-grained, dirty grey and white to greyish black, banded in wavy layer fashion, with many scattered quartz grains up to 6 mm. diameter.

Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
	Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
Sandsteenlae, middelkorrelrig, en swart, skalieagtige sandsteen, om die beurt; golfvormig gelaag.	5 10	—	Sandstone bands, medium-grained, alternating with black, shaly sandstone; banded in wavy layer fashion.
Sandsteen, middel- tot grofkorrelrig, vuilwit tot vuilvaal.	4 1	457 4	Sandstone. medium- to coarse-grained, dirty white to dirty grey.
Steenkool; hoofsaaklik matkool, met 'n paar glyvlakke (13 dm. kernverlies).	2 0	460 5	Coal; mainly dull coal, with a few slip planes (13 in. core-loss).
Sandsteen	6	460 11	Sandstone.

BOORGAT 100 : HIEROMTRENT 1359 : BOREHOLE 100

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
R 316	N.G.	9	122 5	N.S.
D	Glanskool, fyngelaag (4 dm. verloor).	31	—	Coal, bright, finely banded (4 in. lost).
	N.G.	65	—	N.S.
C	Glanskool, gelaag, met enkele skalielagies en 'n paar knolle van kleiagtige materiaal; effens piriethoudend.	26	—	Coal, bright, banded, with occasional shale bands and a few nodules of clayey material; slightly pyritic.
	N.G.	4	—	N.S.
B	Glanskool, gelaag, met 2 dm. koolstofhoudende skalie 9 dm. van bo af.	34	—	Coal, bright, banded, with 2 in. carbonaceous shale 9 in. from top.
	N.G.	3	—	N.S.
A	Glanskool, gelaag, effens piriethoudend, en skalieagtig na onder.	24	141 1	Coal, bright, banded, slightly pyritic, and shaly towards bottom.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Dm. *In.*	*Vt. Dm.* *Ft. In.*	
R 317	N.G.	24	143 1	N.S.
D	Glanskool, gelaag ...	16	—	Coal, bright, banded.
	N.G.	17	—	N.S.
C	Glanskool, gelaag, piriethoudend, met dun skalielagies na bo.	13	—	Coal, bright, banded, pyritic, with thin shale bands towards top.
	N.G.	36	—	N.S.
B	Glanskool, gelaag, skalieagtig in boonste en onderste 3 dm.; effens piriethoudend.	26	—	Coal, bright, banded, shaly in top and bottom 3 in.; slightly pyritic.
	N.G.	5	—	N.S.
A	Glanskool, gelaag, met dun skalielagies in boonste 13 dm. en 'n 2-dm. kalsiethoudende lagie 10 dm. van onder af (2 dm. kern verloor).	32	155 4	Coal, bright, banded, with thin shale bands in top 13 in. and a 2-in. calcitic band 10 in. from bottom (2 in. core lost).
R 318	N.G.	5	155 9	N.S.
B	Glanskool, gelaag, boonste deel is skalieagtig en onderste 2 dm. effens piriethoudend.	12	—	Coal, bright, banded, top portion is shaly and bottom 2 in. slightly pyritic.
	N.G.	8	—	N.S.
A	Glanskool, gelaag ...	8	—	Coal, bright, banded.
	N.G.	4	—	N.S.
	Glanskool, gelaag, piriethoudend, kern gebreek, veral na onder (5 dm. kern verloor tussen 155 vt. 9 dm. en 160 vt. 8 dm.).	22	160 8	Coal, bright, banded, pyritic, core broken, especially towards bottom (5 in. core lost between 155 ft. 9 in. and 160 ft. 8 in.).
R 319	N.G.	573	239 3	N.S.
B	Glanskool, gelaag, erg piriethoudend, met enkele skalielagies en baie sideriet by onderent.	18	—	Coal, bright, banded, very pyritic, with occasional shale bands and much siderite at bottom.
	N.G. (2 voet op grond gemeet).	13	—	N.S. (2 feet measured on ground).
A	Glanskool, gelaag, sideriet-, piriet- en kalsiethoudend, met twee 1-dm. tot 1½-dm. skalielagies.	22	243 8	Coal, bright, banded, sideritic, pyritic and calcitic, with two 1-in. to 1½-in. shale bands.
R 421	N.G.	93	323 0	N.S.
A	Glanskool, gelaag, piriet- en kalsiethoudend, met twee 1-dm. skalielagies en twee 1½-dm. lagies bruin materiaal.	30	325 6	Coal, bright, banded, pyritic and calcitic, with two 1-in. shale bands and two 1½-in. bands of brown material.

No. van B.N.I.-monster F.R.I. sample no.	Aard van lae	Dikte verkry Thickness recovered	Ware diepte True depth	Nature of strata
		Vt. Dm. *Ft. In.*	*Vt. Dm.* *Ft. In.*	
R 422	N.G.	21	379 7	N.S.
E	**Matkool**, korrelrig, piriethoudend na bo en minderwaardig en kalsiethoudend in onderste 3 dm.	53½	—	**Coal**, dull, granular, pyritic towards top and inferior and calcitic in bottom 3 in.
D	**Steenkool**; hoofsaaklik glansende matkool met enkele groot pirietknolle.	64	—	**Coal**; mainly lustrous dull coal with occasional big pyrite nodules.
C	**Steenkool**, skalieagtig, en koolstofhoudende skalie.	10	—	**Coal**, shaly, and carbonaceous shale.
B	**Steenkool**; hoofsaaklik glansende matkool, met 'n 1-dm. pirietlaag in middel.	40	—	**Coal**; mainly lustrous dull coal, with a 1-in. pyrite band in middle.
	N.G.	4	—	N.S.
A	**Steenkool**; hoofsaaklik glansende matkool, met 'n bietjie gemengde steenkool en 'n groot pirietknol 5 dm. van bo af (15 dm. kernverlies tussen 379 vt. 7 dm. en 397 vt. 6 dm.).	28½	397 6	**Coal**; mainly lustrous dull coal, with some mixed coal and a large pyrite nodule 5 in. from top (15 in. core-loss between 379 ft. 7 in. and 397 ft. 6 in.).
R 423	N.G.	30	407 10	N.S.
D	**Glanskool**; boonste 11 dm. dof en onderste 6 dm. glanskool, met dun skalielagies in onderste 2 dm.	17	—	**Coal**; top 11 in. dull and bottom 6 in. bright, with thin shale bands in bottom 2 in.
	N.G.	16	—	N.S.
C	**Matkool**, skalieagtig na bo.	19	—	**Coal**, dull, shaly towards top.
	Steenkool; hoofsaaklik glansende matkool, met pirietknolle.	30	—	**Coal**; mainly lustrous dull coal, with pyrite nodules.
	Steenkool; hoofsaaklik glanskool, met heelwat piriethoudende, skalieagtige lagies.	10	—	**Coal**; mainly bright coal, with several pyritic, shaly bands.
B	**Steenkool**, skalieagtig, met dun skalielagies naby bo-ent en 'n glyvaal in middel.	11	—	**Coal**, shaly, with thin shale bands near top and a slip plane in middle.
	Steenkool; hoofsaaklik glansende matkool, met 'n glyvlak in middel (5 dm. kernverlies tussen 407 vt. 10 dm. en 419 vt. 3 dm.).	29	419 3	**Coal**; mainly lustrous dull coal, with a slip plane in middle (5 in. core-loss between 407 ft. 10 in. and 419 ft. 3 in.).
	N.G.	457	457 4	N.S.
A	**Steenkool**; hoofsaaklik matkool, met 'n paar glyvlakke (13 dm. kernverlies).	24	460 5	**Coal**; mainly dull coal, with a few slip planes (13 in. core-loss).

BOORGAT 100 : HIEROMTRENT 1359 : BOREHOLE 100

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
R 316 D_1	—	−1	1·45	83·0	—	2·4	15·2	36·3	46·1	4	—	—	—	—	—	—
D_2	—	−1	1·45	17·0	—	—	29·7	—	—	—	—	—	—	—	—	—
D	31	—	—	—	—	—	17·7	—	—	—	72·6	10·8	90·2	14·5	4½	5½
C_1	—	−1	1·45	60·1	—	2·3	16·3	35·7	45·7	4½	—	—	—	—	—	—
C_2	—	−1	1·45	39·9	—	—	34·1	—	—	—	—	—	—	—	—	—
C	26	—	—	—	—	—	23·4	—	—	—	59·7	9·2	75·3	14·0	4½	5
B_1	—	−1	1·45	78·5	—	2·6	14·7	36·3	46·4	4	—	—	—	—	—	—
B_2	—	−1	1·45	21·5	—	—	43·4	—	—	—	—	—	—	—	—	—
B	34	—	—	—	—	—	20·9	—	—	—	67·3	9·4	81·1	13·0	4	5½
A_1	—	−1	1·45	78·9	—	2·2	15·3	35·4	47·1	3	—	—	—	—	—	—
A_2	—	−1	1·45	21·1	—	—	34·6	—	—	—	—	—	—	—	—	—
A	24	—	—	—	—	—	19·4	—	—	—	69·4	10·5	85·1	14·2	4	5
R 317 D	16	—	—	—	—	2·4	21·6	32·2	43·8	4½	60·5	8·1	77·3	12·9	5	5
C	13	—	—	—	—	2·5	20·0	32·6	44·9	4½	69·6	9·7	83·2	15·2	5	5
B	26	—	—	—	—	2·7	23·3	32·2	41·8	4½	59·9	10·2	77·0	15·2	5	5
A	32	—	—	—	—	2·9	21·1	32·6	43·4	4	60·5	8·8	80·7	14·8	5½	5½
R 318 B	12	—	—	—	—	2·2	24·0	33·3	40·5	4½	55·4	9·6	76·0	15·2	5½	5
A	30	—	—	—	—	2·1	22·2	32·4	43·3	4	58·6	9·0	77·5	14·0	5	4
R 319 B	18	—	—	—	—	1·9	29·3	29·7	39·1	2½	45·3	7·0	54·3	10·5	5	5
A	22	—	—	—	—	1·9	27·6	30·3	40·2	3	50·7	8·2	61·3	11·2	5½	5
R 421 A_1	—	−1	1·45	53·4	—	1·9	7·5	35·6	55·0	3½	—	—	—	—	—	—
A_2	—	−1	1·45	46·6	—	—	42·4	—	—	—	—	—	—	—	—	—
A	30	—	—	—	—	—	23·8	—	—	—	53·6	4·7	61·2	7·0	3	2

No. van B.N.I.-monster F.R.I. sample no.	Dikte, Dm. Width, In.	WASTOETS WASHING TEST			KORTANALISES (Luggedroogde steenkool) PROXIMATE ANALYSES (Air-dried coal)						SOORTLIKE GEWIG-AFSKEIDING (−16 maas B.S.S.) SPECIFIC GRAVITY SEPARATION (−16 mesh B.S.S.)					
											Dryfsel, 1·45 Float, 1·45		Dryfsel, 1·58 Float, 1·58		Sw.-syfer Swelling number	
															Dryfsel Float	
		Groot-te, Dm. Size, In.	S.G.	Op-brengs Yield %	V.w. Cal. val. lb./lb.	H_2O %	As Ash %	Vlugtige be-stand-dele Volatile matter %	Kooks-koolstof Fixed carbon %	Sw.-syfer Sw. no.	Op-brengs Yield %	As Ash %	Op-brengs Yield %	As Ash %	1·45	1·58
R 422 E$_1$	—	−1	1·58	90·3	13·1	2·2	9·7	21·5	66·6	P	—	—	—	—	—	—
E$_2$	—	−1	1·58	9·7	—	—	40·0	—	—	—	—	—	—	—	—	—
E	53½	—	—	—	—	—	12·6	—	—	—	74·9	5·9	87·5	7·3	F	1½Ag
D$_1$	—	−1	1·58	93·2	13·0	2·1	9·8	21·2	66·9	P	—	—	—	—	—	—
D$_2$	—	−1	1·58	6·8	—	—	50·3	—	—	—	—	—	—	—	—	—
D	64	—	—	—	—	—	12·5	—	—	—	71·0	5·4	—	—	F	—
C	10	—	—	—	—	—	43·7	—	—	—	—	—	—	—	—	—
B$_1$	—	−1	1·58	77·3	12·1	1·8	15·9	21·0	61·3	P	—	—	—	—	—	—
B$_2$	—	−1	1·58	22·7	—	—	37·3	—	—	—	—	—	—	—	—	—
B	40	—	—	—	—	—	21·7	—	—	—	33·1	7·7	73·5	12·7	1½Ag	1½Ag
A$_1$	—	−1	1·58	78·8	12·2	1·9	15·2	21·2	61·6	1½Ag	—	—	—	—	—	—
A$_2$	—	−1	1·58	21·2	—	—	38·6	—	—	—	—	—	—	—	—	—
A	28½	—	—	—	—	—	20·2	—	—	—	36·3	7·1	73·2	11·9	1½Ag	1½Ag
R 423 D	17	—	—	—	12·3	1·8	16·1	25·2	56·9	F	62·1	5·5	85·5	8·7	1½Ag	1½Ag
C$_1$	—	−1	1·58	78·9	12·3	1·9	14·8	23·8	59·5	1½Ag	—	—	—	—	—	—
C$_2$	—	−1	1·58	21·1	—	—	38·8	—	—	—	—	—	—	—	—	—
C	59	—	—	—	—	—	19·7	—	—	—	44·8	7·8	74·9	11·6	1½Ag	1½Ag
B$_1$	—	−1	1·58	71·8	12·4	1·8	14·1	22·8	61·3	1½Ag	—	—	—	—	—	—
B$_2$	—	−1	1·58	28·2	—	—	39·0	—	—	—	—	—	—	—	—	—
B	40	—	—	—	—	—	21·4	—	—	—	36·6	8·2	71·6	12·4	1½Ag	1½Ag
A	24	—	—	—	13·0	1·8	11·7	23·8	62·7	1Ag	71·8	6·9	—	—	1½Ag	—

NOTA: Weens die feit dat 'n onervare boorman hierdie gat geboor het, is talle foute in sy rekord aangetref. Foutiewe diktes van verskillende lae is ook aangegee. Tydens die ondersoek is die diepte van die boorgat gemeet, en die diepte van 263 voet 0 duim soos deur die boorman verstrek, was werklik 277 voet 3 duim. Die gegewens van hierdie boorgat is dus hoogs onvertroubaar. 'n Korrelasie tussen hierdie boorgat en boorgate 98 en 74 in die onmiddellike nabyheid kon nie daargestel word nie.

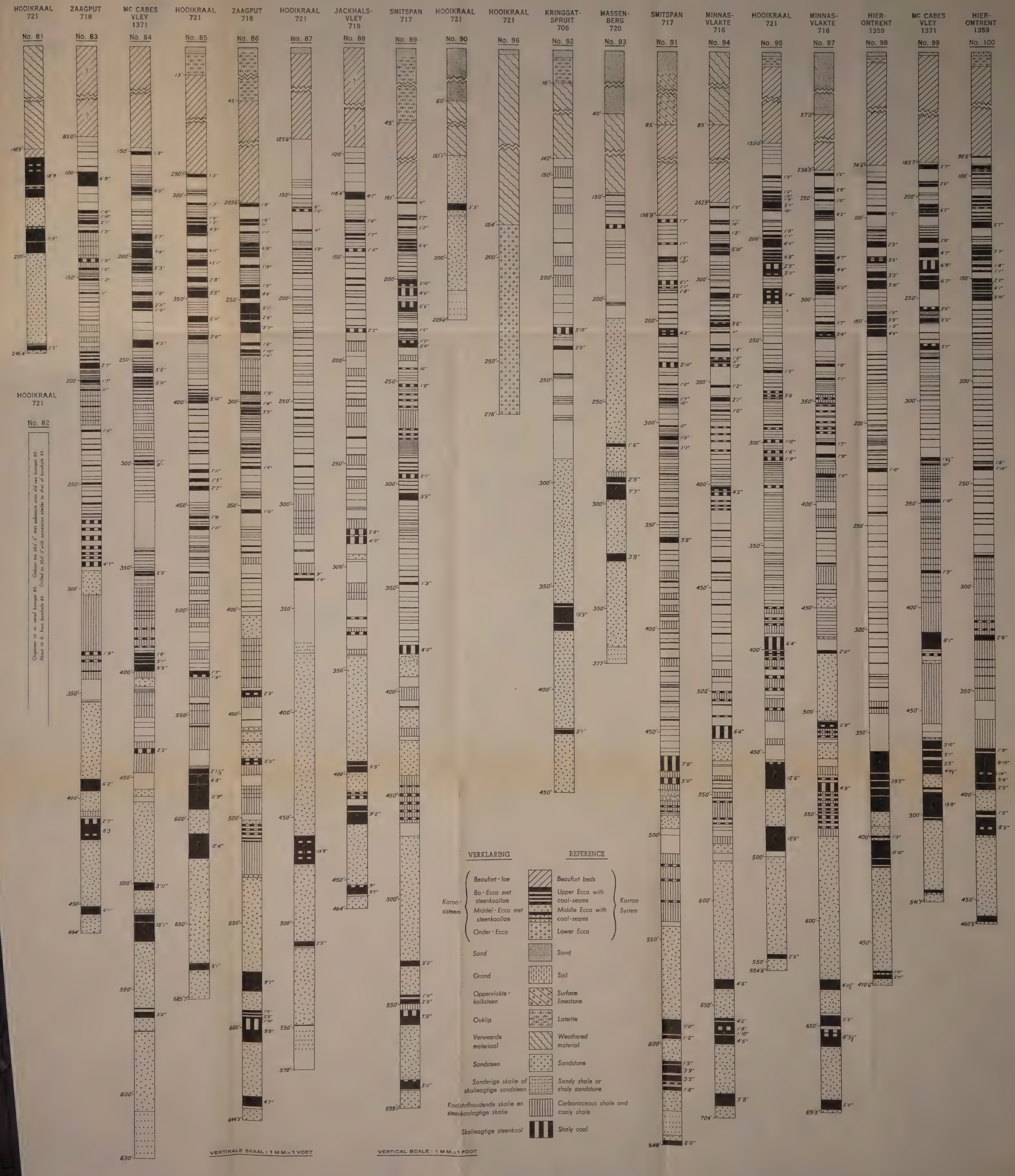
NOTE: Owing to the fact that this hole was drilled by an inexperienced driller numerous mistakes were found in his record. Incorrect thicknesses of various beds were also given. At the time of the examination the depth of the borehole was plumbed, and the depth of 263 feet 0 inches as supplied by the driller was actually 277 feet 3 inches. Data of this borehole were therefore found to be highly unreliable. A correlation between this borehole and boreholes 98 and 74 in the immediate vicinity could not be established.

WATERBERGSE STEENKOOLVELD

STRATIGRAFIESE PROFIELE. BOORGATE 81-100

WATERBERG COALFIELD

COLUMNAR SECTIONS. BOREHOLES 81-100

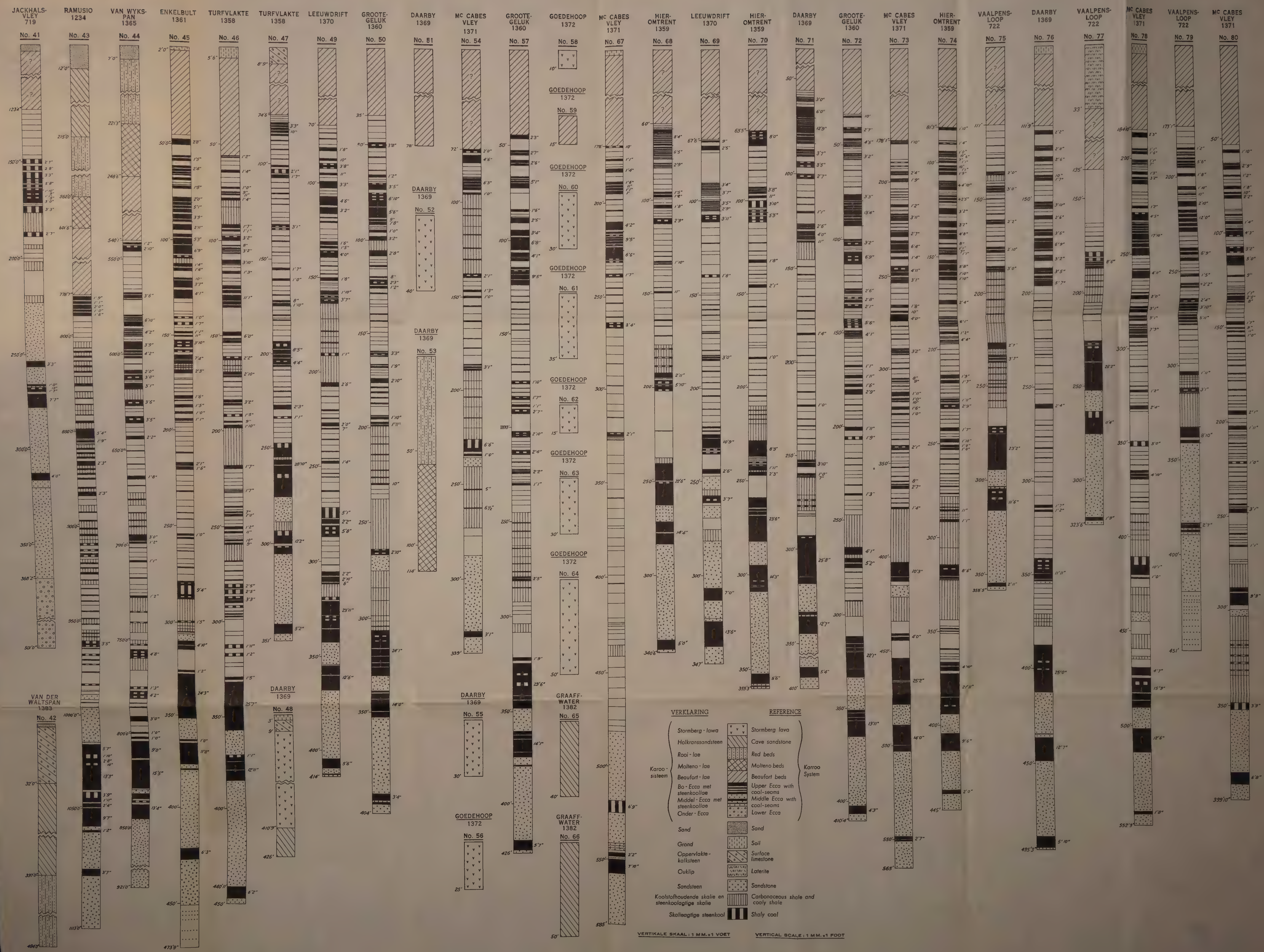


WATERBERGSE STEENKOOLVELD

STRATIGRAFIESE PROFIELE. BOORGATE 41 - 80

WATERBERG COALFIELD

COLUMNAR SECTIONS. BOREHOLES 41 - 80



GEOLOGIESE KAART VAN DIE WATERBERGSE STEENKOOLGEBIED

(GEOLOGIE ONDERHEWIG AAN VERANDERING)

GEOLOGICAL MAP OF THE WATERBERG COAL AREA

(GEOLOGY SUBJECT TO ALTERATION)